



website:<http://biz.LGservice.com>
e-mail:<http://www.LGservice.com/techsup.html>

LCD TV

SERVICE MANUAL

CHASSIS : AL-04CA

MODEL : 32LX3DC-UA/32LX3DCS-UA

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

CONTENTS	2
PRODUCT SAFETY	3
SPECIFICATION	6
ADJUSTMENT INSTRUCTION	12
TROUBLE SHOOTING	15
BLOCK DIAGRAM.....	18
WIRING DIAGRAM	21
EXPLODED VIEW	22
EXPLODED VIEW PARTS LIST	23
REPLACEMENT PARTS LIST	24
SVC. SHEET	

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer** should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

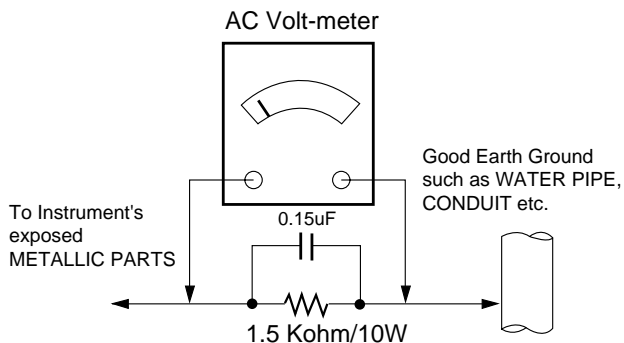
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.**CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".

3. Do not spray chemicals on or near this receiver or any of its assemblies.

4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

CAUTION: This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts is not required.

5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.

Always remove the test receiver ground lead last.

8. Use with this receiver only the test fixtures specified in this service manual.

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the

unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500 °F to 600 °F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
 - a. Allow the soldering iron tip to reach normal temperature. (500 °F to 600 °F)
 - b. Heat the component lead until the solder melts.
 - c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
6. Use the following soldering technique.
 - a. Allow the soldering iron tip to reach a normal temperature (500 °F to 600 °F)
 - b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
 - c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
CAUTION: Work quickly to avoid overheating the circuit board printed foil.
- d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush.
(It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor

Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device

Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor

Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.

CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife.
Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.
Carefully crimp and solder the connections.
CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATION

NOTE : Specifications and others are subject to change without notice for improvement.

1. Application range

This specification is applied to AL-04CA chassis.

2. Requirement for Test

Testing for standard of each part must be followed in below condition.

- (1) Temperature: 25°C ± 5°C (CST 40°C ± 5°C)
- (2) Humidity: 65% ± 10%
- (3) Power: Standard input voltage (AC 100-260V, 50/60Hz)
- (4) Measurement must be performed after heat-run more than 15min.
- (5) Adjusting standard for this chassis is followed a special standard.

3.General Specification

No	Item	Specification	Remark
1.	Receiving System	ATSC/ 64 & 256 QAM/NTSC-M	Slim-VSB
2.	Available Channel	VHF : 02~13 UHF : 14~69 CATV: 01~135 DTV: 02-69	
3.	Input Voltage	AC 100 ~ 260V 50/60Hz	
4.	Market	North America	
5.	Screen Size	32 inch wide	
6.	Aspect Ratio	16:9	
7.	Tuning System	FS	
8.	LCD Module	LC320W01-A6K3 (1366x768)	LG Philips LCD
9.	Operating Environment	Temp. : 0 ~ 40 deg Humidity : 10 ~ 90 %	
10.	Storage Environment	Temp. : -20 ~ 50 deg Humidity : 10 ~ 90 %	

4. Feature and Function

No	Item		Specification		Remark
1.	Feature	AV Input / Out	2	Video1,2, Input, No Output	Rear1, Side1(CVBS,L,R)
		RGB Input	2	Analog RGB Input / IP Card Interface	Rear2
		S-Input	2	S-Input	Rear1, Side1(Y,C)
		DVI Input	1	DVI Input	Rear1
		Y, Pb, Pr Input	2	Component 1, 2	Rear1, Side1
		SPDIF Out	1	SPDIF Out	Rear
		SPDIF Input	1	SPDIF Input	Rear
		RS-232C	1	S/W Download	D-Sub 9pin, Rear
		Internal SPK Out	1	Mono, < 2W	Remote Speaker, Rear
2.	Key	Local Key	TV/Video, Menu, OK(■), Volume(◀, ▶), Channel (▲, ▼), Power (Main)		

No	Item	Specification	Remark
3.	SETUP	EZ Scan	Auto Channel Search
		CH. Edit	CH. Add/Delete
		DTV Signal	Bad/Normal/Good
		Ch. Label	CH. Logo
		Main Input	DTV/Analog/Video1/Video2/Component1/ Component2/RGB1-DTV/RGB2-DTV/DVI-DTV
		Sub Input	DTV/Analog/Video1/Video2
		Front Display	Off/On
		SET ID	1 - 99
4.	Video	EZ Picture	Off/Normal/Day Light/Night Time/ Movie/Video Game/Sports
		User Control	Contrast/Brightness/Color/Sharpness/Tint
		XD	Off/On
		Color Temperature	Warm/Medium/ Cool
		Video Preset	Factory Preset
5.	Audio	Audio Language	English/Spanish/French
		EZ SoundRite	Off/On
		EZ Sound	Off/Normal/Stadium/Theater/Music
		User Control	Balance/Treble/Bass
		Front Surround	Off/3D EchoSound System/SRS TruSurround XT
		TV Speaker	Off/On
6.	Time	Auto Clock	Off/On/Time Zone
		Manual Clock	Year/Data/Time
		Off Timer	Off/On/Time
		On Timer	Off/On/Time/Ch./Vol
		Sleep Timer	Off/10 min/20 min/30 min/60 min/90 min/120 min/180 min/240 min
		Auto Off	Off/On
7.	Option	Aspect Ratio	Set By Program/4:3/16:9/Horizon/Zoom1/ Zoom2/Cinema Zoom
		Caption	Off/EZ Mute/On
		Caption Mode	CC1/CC2/CC3/CC4/Text1/Text2/Text3/Text4
		Caption Option	Style/Size/Font/Text Color/Text Opacity/Bg Color/Bg Opacity/Edge Type/Edge Color
		Language	English/Espanol/Francais
		Cinema	Off/On
		Demo	Ez Demo/XD Demo
8.	Lock	Lock System	Off/On
		Set Password	New/Confirm
		Block Ch.	O
		Movie Rating	G/PG/PG-13/R/NC-17/X
		TV Rating-Children	Age/Fantasy Violence
		TV Rating-General	Age/Dialogue/Language/Sex/Violence
		Aux.Block	Video1/Video2/Component1/Component2/RGB1/RGB2/DVI
9.	Etc.	Comb Filter	3D Comb(main), 4H Comb(sub)
		Remocon	LG code

5. External Input Format

Component Video Input (Y, CB/PB, CR/PR)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock	Proposed
1.	640x480	15.73	60.00		SDTV ,DVD 480I
2.	704x480	31.47	59.94		SDTV 480P
3.	1280x720	45.00	60.00		HDTV 720P
4.	1280x720	44.96	59.94		HDTV 720P
5.	1920x1080	33.75	60.00		HDTV 1080I
6.	1920x1080	33.72	59.94		HDTV 1080I

RGB linput (PC/DTV)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock	Proposed	
	PC					DDC
7.	640x350	31.468	70.09	25.17	EGA	O
8.	640x480	31.469	59.94	25.17	VESA(VGA)	O
9.	640x480	37.861	72.80	31.50	VESA(VGA)	O
10.	640x480	37.500	75.00	31.50	VESA(VGA)	O
11.	800x600	35.156	56.25	36.00	VESA(SVGA)	O
12.	800x600	37.879	60.31	40.00	VESA(SVGA)	O
13.	800x600	48.077	72.18	50.00	VESA(SVGA)	O
14.	800x600	46.875	75.00	49.50	VESA(SVGA)	O
15.	1024x768	48.363	60.00	65.00	VESA(XGA)	O
16.	1024x768	56.476	70.06	75.00	VESA(XGA)	O
17.	1024x768	60.023	75.02	78.75	VESA(XGA)	O
	DTV					
18.	704x480	31.47	59.94		SDTV 480P	
19.	1280x720	45.00	60.00		HDTV 720P	
20.	1280x720	44.96	59.94		HDTV 720P	
21.	1920x1080	33.75	60.00		HDTV 1080I	
22.	1920x1080	33.72	59.94		HDTV 1080I	

DVI linput (PC/DTV)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock	Proposed	
	PC					DDC
24.	640x350	31.468	70.09	25.17	EGA	O
25.	640x480	31.469	59.94	25.17	VESA(VGA)	O
26.	640x480	31.861	72.80	31.50	VESA(VGA)	O
28.	640x480	37.500	75.00	31.50	VESA(VGA)	O
29	800x600	35.156	56.25	36.00	VESA(SVGA)	O
30	800x600	48.077	72.18	50.00	VESA(SVGA)	O
31	800x600	46.875	75.00	49.50	VESA(SVGA)	O
32.	1024x768	48.363	60.00	65.00	VESA(XGA)	O
33.	1024x768	56.476	70.06	75.00	VESA(XGA)	O
34.	1024x768	60.023	75.02	78.75	VESA(XGA)	O
	DTV					
35.	704x480	31.47	59.94		SDTV 480P	
36.	1280x720	45.00	60.00		HDTV 720P	
37.	1280x720	44.96	59.94		HDTV 720P	
38.	1920x1080	33.75	60.00		HDTV 1080I	
39.	1920x1080	33.72	59.94		HDTV 1080I	

6. POWER

No	Item	Min	Typ	Max	Unit	Remark
1.	AC Power Operating Voltage	90		264	V	
2.	DC Voltage, LCD Panel Drive	11.4	12.0	12.6	V	
3.	DC Voltage, Inverter	23.4	24.0	24.6	V	
4.	DC Voltage, Sound AMP	17.4	18.0	18.6	V	
5.	DC Voltage, Stand By	4.6	5.0	5.4	V	
6.	DC Voltage, Scaler(HD2)	3.1	3.3	3.5	V	I/O port supply
7.	DC Voltage, Scaler(HD2)	1.6	1.8	1.9		Internal core supply
8.	DC Voltage, ADC	3.1	3.3	3.5	V	AD9883
9.	DC Voltage, VCD 5 V	4.7	5	5.3	V	VPX3226
10.	DC Voltage, VCD 3.3V	3.1	3.3	3.5	V	
11.	DC Voltage, Micom	4.7	5	5.3	V	
12.	DC Voltage, Tuner	4.75	5.00	5.25	V	
	DC Voltage, Tuner	31.5	33.0	34.5	V	

7. External Interface

- AV Input

No	Item		Min	Typ	Max	Unit	Remark
1	AV Video Out Level		0.85	1.0	1.15	VPP	
2	AV Video Sync Out Level		0.24	0.29	0.32	Vpp	
3	AV Burst Out Level		0.14	0.28	0.35	Vpp	
4	AV Video Out Frequency Characteristic		3.0			MHz	
5	AV Video Out S/N		40.0			dB	
6	AV Audio In S/N, L/R		43.0			dB	
7	AV Audio In Frequency Response, Low		80.0			Hz	
8	AV Audio In Frequency Response, High		7.0	10.0	15.0	kHz	
9	AV Audio In Distortion				2.0	%	
10	AV Audio In Max Distortion				10.0	%	
11	AV Audio In Level, L/R		0.3	0.4	0.5	Vrms	
12	AV Audio In Crosstalk, L/R		40.0			dB	
13	AV Audio Out Level, L/R		0.3	0.4	0.5	Vrms	
14	AV Audio Out Crosstalk, L/R		20.0			dB	
15	AV Audio Out S/N, L/R		43.0			dB	
16	AV Audio Out Frequency Response	Low	80.0			Hz	
		High	8.0	10.0	19.0	kHz	
17	AV Audio Out Distortion				2.0	%	
18	AV Audio Dynamic Range		2.00			Vpp	
19	Component Video Input Level (Y, CB/PB, CR/PR)		0.6	0.7	0.8	Vpp	75 ohm (480i,480p,720p,1080i)
20	RGB/HV Input Level		0.6	0.7	0.8	Vpp	75 ohm

8. General Specifications

No	Item		Min	Typ	Max	Unit	Remark
1	Active Screen Size		800.4(diagonal)			mm	29.53 inches
2	Outline Dimension		760.0(H)x450.0(V)x48.0(D)			mm	
3	Pixel Pitch		170.25 μ mX 510.75 μ mXRGB			μ m	
4	Pixel Format		1366(H)x768(V) stripe arrangement				
5	Color Depth		8bit 16.7			Mbit	
6	Luminance ,White		500 (center 1 point typ)			cd/m2	
7	Viewing Angle (CR>10)		R/L 176(Typ),U/P 176(Typ)			degree	
8	Power Consumption		88.7			Watt	
9	Weight		7.2			kg	
10	Display Operating Mode		Transmissive mode ,normally black				
11	Surface Treatment		Hard coating (3H)				
12	Altitude	Operating	0 - 14,000			feet	4,267.2 m
		Storage/Shipment	0 - 40,000			feet	12,192.0 m

9. Electro Optical Characteristic Specifications

No	Item			Min	Typ	Max	Unit	Remark
1	Contrast Ratio			350	500		C	It measured at center point
2	Surface Luminance, White			380	400		Cd/m ²	Full white
3	Luminance Variation					1.3		
4	Response Time	Tr (Rising time)			8	12	msec	
5	Color coordinate	RED	X	Typ -0.03	0.640	Typ +0.03		Full Pattern
			Y		0.343			
		GREEN	X		0.275			
			Y		0.605			
		BLUE	X		0.145			
			Y		0.065			
		WHITE	X	0.271				
			Y	0.279				
6	Viewing Angle (CR>10)	X axis right(φ =0)		85	88	degree		
		X axis left(φ =180)		85	88			
		Yaxis up (φ =90)		85	88			
		Z axis down(φ =270)		85	88			

10. Mechanical specification

No	Item	Content			Remark
1	Product Dimension	Width (W)	Length (D)	Height (H)	
		922	182	545.3	With Stand, Include D-box & Rear cover
		922	287.5	613.4	With Stand
2	Product Weight	30.3Kg			

11. Factory default condition

No	Item			Condition	Remark
1	Input Mode			N.A.(Specified by D-Box)	
2	Volume Level			N.A.(Specified by D-Box)	
3	Mute			Off	
4	Aspect Ratio			16:9(Specified by D-Box)	
5	Picture	Ez Picture		Normal	
		User Control	Contrast	100	
			Brightness	50	
			Colour	60	
			Sharpness	60	
			Tint	0	
		XD		On	
Color Temperature		Medium			
6	Sound	EZ Sound		Normal	
		Audio Language		-	Empty Ch map
		User Control	Balance	0	
			Treble	50	
			Bass	50	
		Ez SoundRite		Off	AVL
		Sap		Stereo	
		Front Surround		Off	
		TV Speaker		On	
Balance		0			
7	Timer	Auto Clock		On/Eastern	
		Manual Clock		Off	
		Off Timer/On Timer		Off	
		Sleep Timer / Auto Off			
8	Option	Aspect Ratio		16:9	
		Caption		Off	
		Front Display		Off	
9	Channel Memory			Empty channel map	

ADJUSTMENT INSTRUCTION

1. Application Object

This instruction is for the application to the LCD TV.

2. Designation.

- 2.1 As this chassis is a non-charging type of chassis for insulation of the power supply part, it may not use an insulation type of transformer but it is better to adjust after operating an insulation type of transformer between the power supply line and the input side of chassis.
- 2.2 Adjustment must be done according to accurate order. However, order may be changed considering mass production.
- 2.3 Adjustment must be done in environment of ambient temperature of $25 \pm 5^{\circ}\text{C}$, RH $65 \pm 10\%$ unless specially designated.
- 2.4 For adjustment, input voltage of the receiver must be maintained at 110V, 60Hz.
- 2.5 The receiver must be maintained in preliminary operation status for about 15 minutes before adjustment unless specially designated.
 - Perform preliminary operation after receiving 100% White Pattern (06CH).
(Or 3. White Pattern status of Ex-Adjust)
 - White Pattern entry method
 - A) Enter into Ez-Adjust by pressing the ADJ key on the adjustment R/C.
 - B) 100% FULL WHITE PATTERN appears if pressing the OK (■) key after selecting the 3.WHITE PATTERN with the CH + / - KEY.

* It is possible to heat run the set without a separate signal generator in this mode.

Caution : Care must be taken as afterimage phenomena may occur about the black level part of screen If leaving pause image turned on for more than 20 minutes (especially inner digital pattern (13 CH), Cross Hatch Pattern (09CH) with significant black/white contrast).

3. Total Adjustment

3.1 EDID (Extended Display Identification Data) / DDC (Display Data Channel) download

3.1.1 Summary

: This function was created by VESA and is intended to realize "Plug and Play" that the computer automatically communicates with the monitor through mutual change of information and re-configure user environment so than the user can immediately use the computer without providing direct command to the PC or monitor.

3.2 AD9883A-Set Adjustment

3.2.1 Summary

: The AD9883A-Set Adjust is function that the A/D converter automatically sets up optimum blacklevel and gain and compensate RGB deviation.

- DVI EDID Data

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	01	01	01	01	01
10	03	0E	01	03	98	45	27	96	08	E8	AA	A1	57	49	9C	25
20	10	48	4B	4F	CE	00	31	4F	31	4F	3B	C0	45	40	61	45
30	01	01	01	01	01	40	C3	1E	00	20	41	00	20	30	10	60
40	13	00	B9	88	21	00	00	1E	00	00	00	FC	00	20	20	20
50	20	20	20	20	20	20	20	20	20	0A	00	00	00	FD	00	38
60	4B	1E	3E	08	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	33	32	4C	58	33	44	43	20	20	20	20	20	20	00	5C

- RGB EDID Data

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	01	01	01	01	01
10	03	0E	01	03	18	45	27	96	08	E8	AA	A1	57	49	9C	25
20	10	48	4B	AF	CE	00	31	4A	31	4F	3B	C0	45	40	61	4F
30	01	01	01	01	01	40	C3	1E	00	20	41	00	20	30	10	60
40	13	00	B9	88	21	00	00	1E	00	00	00	FC	00	20	20	20
50	20	20	20	20	20	20	20	20	20	0A	00	00	00	FD	00	38
60	4B	1E	3E	08	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	33	32	4C	58	33	44	43	20	20	20	20	20	20	00	D2

3.2.2 Adjustment Method

- A) Enter the 100% Vertical Color Bar Pattern (TVBAR_100) of the 720P Mode supported for entry of component and select entry selection to Component1 or Component2 and then select image to 'Normal'.
- B) After waiting for more than a second after receipt of signal, enter into 'Ez?Adjust' by pressing the ADJ Key on the Adjustment R/C. Adjustment is automatically done if pressing the (+) key after selecting the '1. AD9883A-Set'.
- C) If adjustment is normally completed, 'AD9883A-Set' message is displayed, and if not normally completed, 'AD9883A Setup Error' message is displayed.
- D) If adjustment is completed, exit the adjustment mode by pressing the ADJ key.

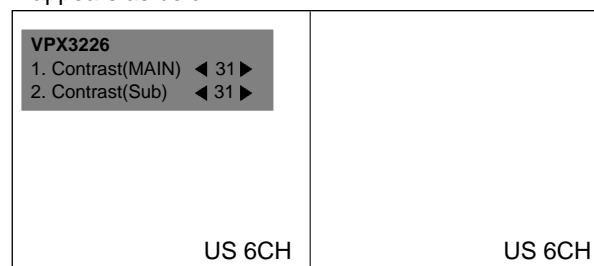


<Adjustment Pattern : 720P Vertical Color Bar>

3.3 Color adjustment of main/subsidiary part

Color adjustment of main/subsidiary part is intended to reduce color difference of the main/subsidiary part in the PIP/POP/SPLIT Screen.

- A) After entering inner signal, enter into the 'Ez?Adjust' by pressing the ADJ key of the remote control for adjustment and select the '2.VPX3226' and enter into the Adjustment Mode by pressing the right key (▶).
- B) The screen automatically becomes a TV 6CH SPLIT Screen if entering into the Adjustment and a window appears as below.

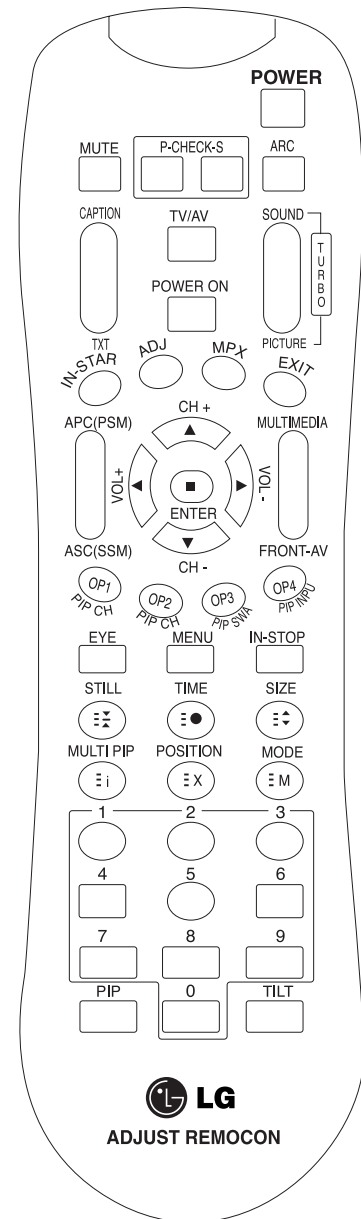


< Screen Adjustment Command Table. (RS-232) >

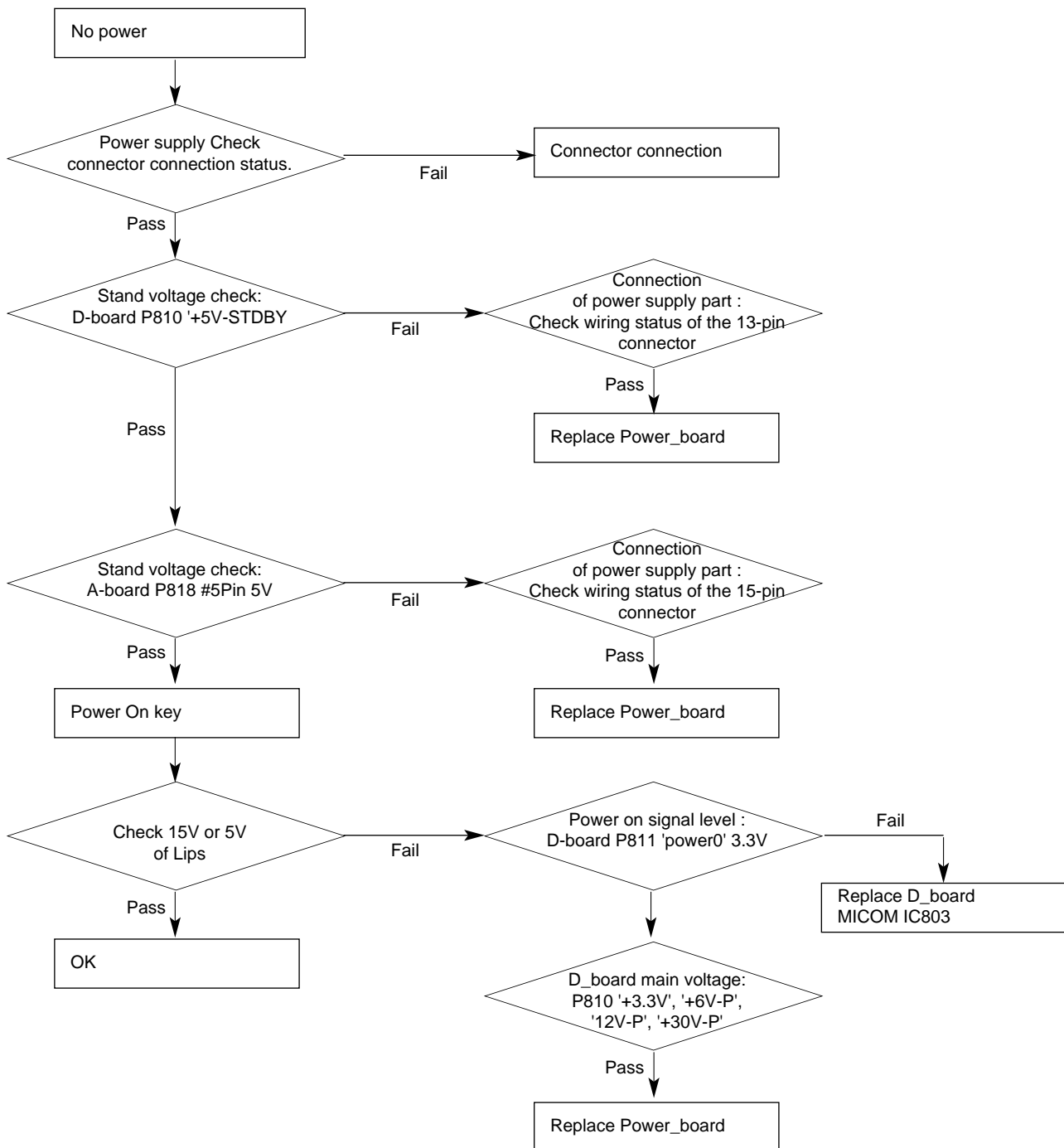
- C) Firstly adjust '1.Contrast (Main)' so that figure of "US 6CH" character of the left main screen is shown mostly clearly and vividly (so that saturation is not done) and set the '2.Contrast(Sub)' to same value. In this case, adjust it by using the volume +/- key.
- D) If adjustment is completed, exit the Adjustment Mode by pressing the ADJ key.

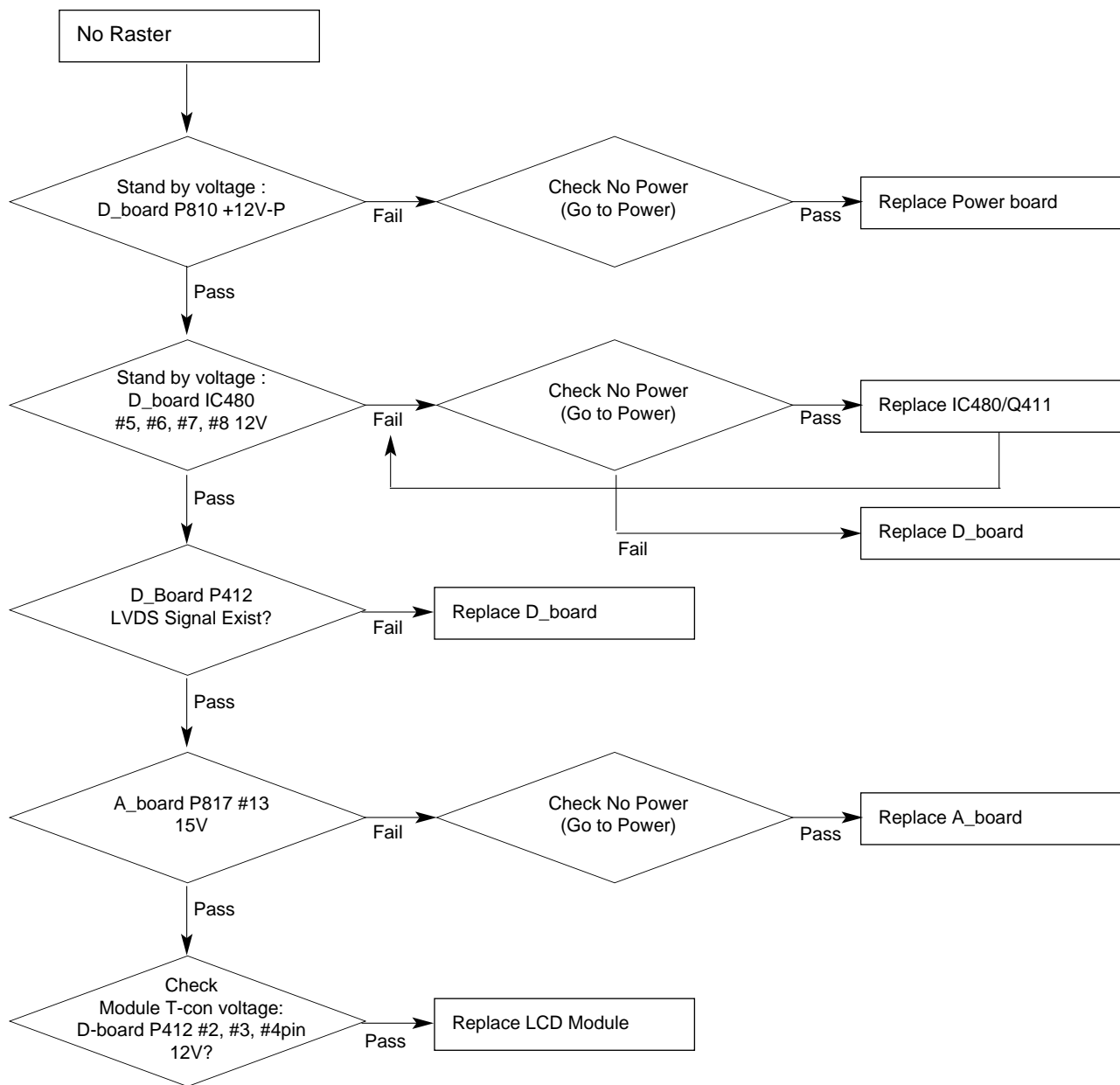
SVC REMOCON

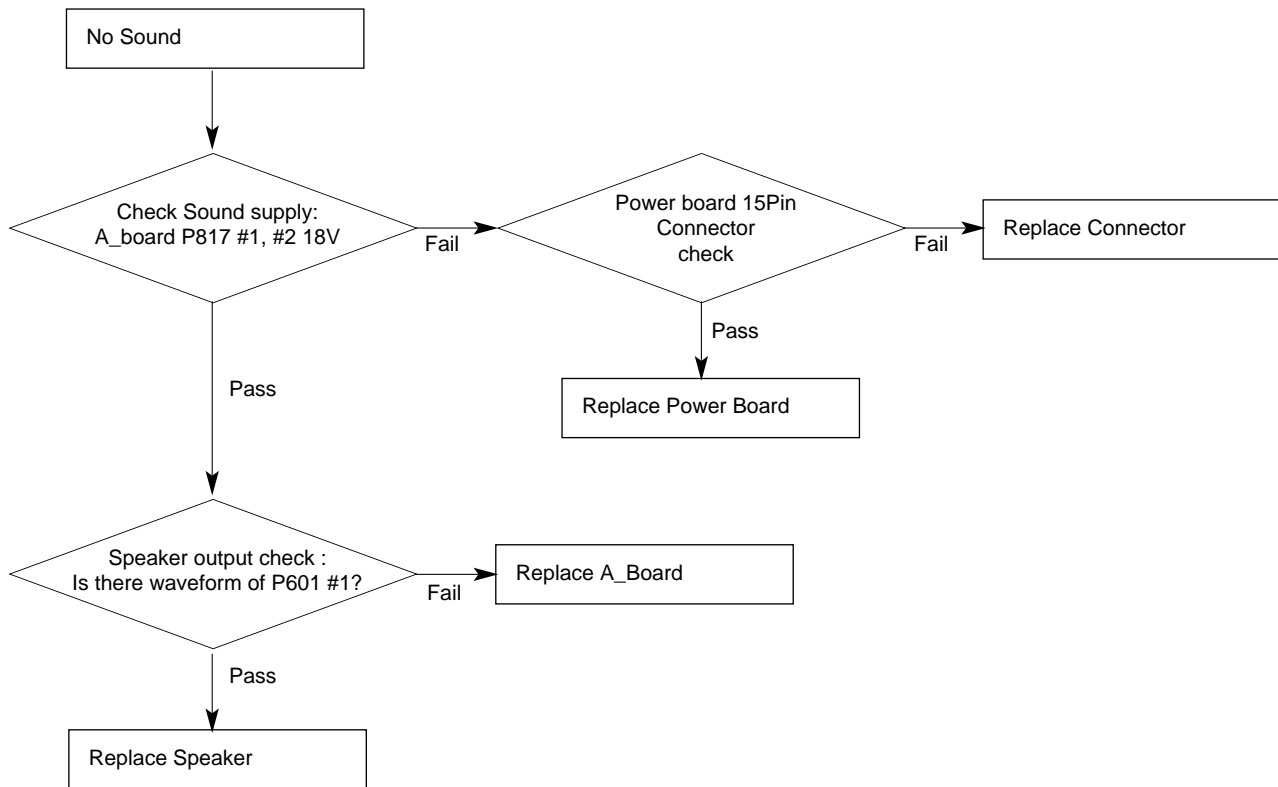
NO	KEY	FUNTION	REAMARK
1	POWER	To turn the TV on or off	
2	POWER ON	To turn the TV on automatically if the power is supplied to the TV. (Use the POWER key to deactivate): It should be deactivated when delivered.	
3	MUTE	To activate the mute function.	
4	P-CHECK	To check TV screen image easily.	Shortcut keys
5	S-CHECK	To check TV screen sound easily	Shortcut keys
6	ARC	To select size of the main screen (Normal, Spectacle, Wide or Zoom)	Shortcut keys
7	CAPTION	Switch to closed caption broadcasting	
8	TXT	To toggle on/off the teletext mode	
9	TV/AV	To select an external input for the TV screen	
10	TURBO SOUND	To start turbo sound	
11	TURBO PICTURE	To start turbo picture	
12	IN-START	To enter adjustment mode when manufacturing the TV sets.	Use the AV key to enter the screen W/B adjustment mode.
		To adjust the screen voltage (automatic): In-start → mute → Adjust → AV(Enter into W/B adjustment mode)	
		W/B adjustment (automatic): After adjusting the screen →W/B adjustment →Exit two times (Adjustment completed)	
13	ADJ	To enter into the adjustment mode. To adjust horizontal line and sub-brightness.	
14	MPX	To select the multiple sound mode (Mono, Stereo or Foreign language)	
15	EXIT	To release the adjustment mode	
16	APC(PSM)	To easily adjust the screen according to surrounding brightness	
17	ASC(SSM)	To easily adjust sound according to the program type	
18	MULTIMEDIA	To check component input	Shortcut keys
19	FRONT-AV	To check the front AV	Shortcut keys
20	CH ±	To move channel up/down or to select a function displayed on the screen.	
21	VOL ±	To adjust the volume or accurately control a specific function.	
22	ENTER	To set a specific function or complete setting.	
23	PIP CH-(OP1)	To move the channel down in the PIP screen. To use as a red key in the teletext mode	
24	PIP CH+(OP2)	To move the channel in the PIP screen To use as a green key in the teletext mode	
25	PIP SWAP(OP3)	To switch between the main and sub screens To use as a yellow key in the teletext mode	
26	PIP INPUT(OP4)	To select the input status in the PIP screen To use as a blue key in the teletext mode	
27	EYE	To set a function that will automatically adjust screen status to match the surrounding brightness so natural color can be displayed.	
28	MENU	To select the functions such as video, voice, function or channel.	
29	IN-STOP	To set the delivery condition status after manufacturing the TV set.	
30	STILL	To halt the main screen in the normal mode, or the sub screen at the PIP screen. Used as a hold key in the teletext mode (Page updating is stopped.)	
31	TIME	Displays the teletext time in the normal mode Enables to select the sub code in the teletext mode	
32	SIZE	Used as the size key in the PIP screen in the normal mode Used as the size key in the teletext mode	
33	MULTI PIP	Used as the index key in the teletext mode (Top index will be displayed if it is the top text.)	
34	POSITION	To select the position of the PIP screen in the normal mode Used as the update key in the teletext mode (Text will be displayed if the current page is updated.)	
35	MODE	Used as Mode in the teletext mode	
36	PIP	To select the simultaneous screen	
37	TILT	To adjust screen tilt	Shortcut keys
38	0~9	To manually select the channel.	



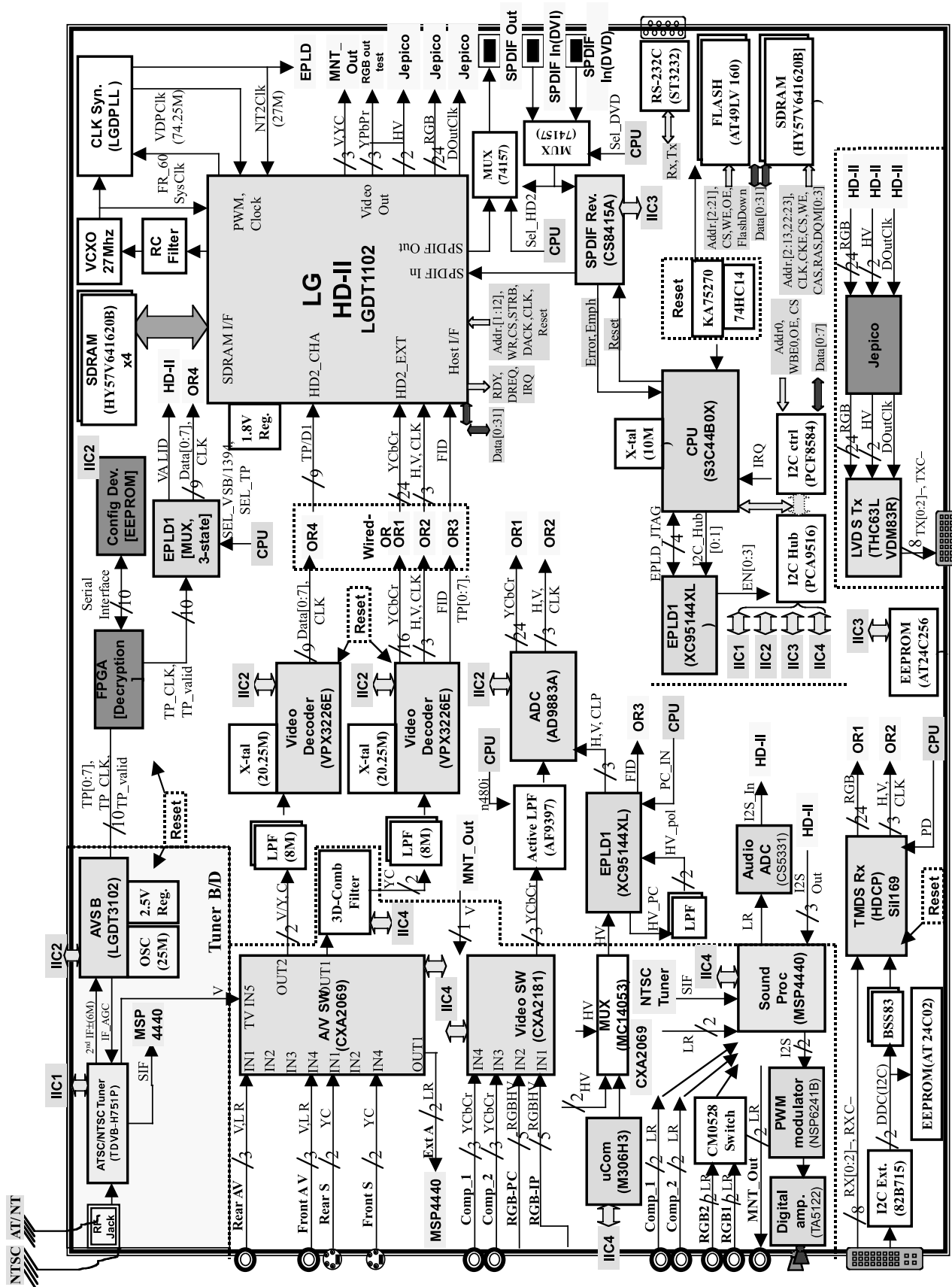
TROUBLESHOOTING







BLOCK DIAGRAM(LCD Built-In)



BLOCK DIAGRAM DESCRIPTION(MAIN)

ATSC/NTSC tuner (TDVB-001P) can receive both terrestrial analog and terrestrial digital signals.

But a NTSC tuner (6700NFNS06C) can receive terrestrial analog only. Therefore if you run two displays at the same time, it is not possible to see two digital channels.

A/V SW (CXA2069) is the IC that takes external input terminal signals and broadcast signals from the tuners and handles them selectively. Audio signals are sent to MSP4450. Video signals are sent to HD-II via two paths - VPX3226E on the upper side is used to handle sub displays, while VPX3225E on the lower side controls the main display.

To the lower side, signals are sent using an expensive 3D-comb filter with Y/C divided.

The video decoder (VPX3226E) is a chip that decodes input signals.

HD-II is a chip that controls nearly all video-related functions, including brightness, sharpness, video formatting and scaling. If digital broadcasting is available, it comes through TP, which can be controlled from HD-II.

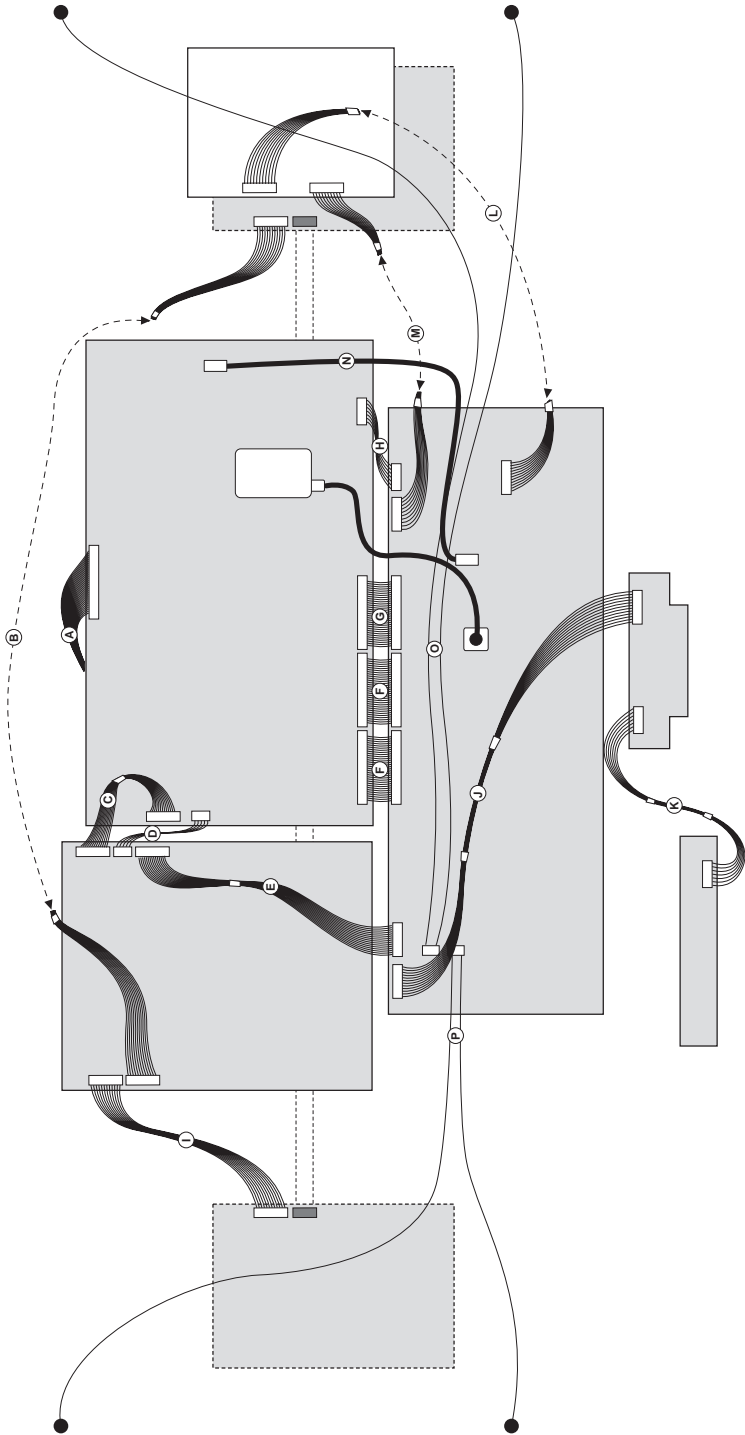
Video SW (CXA2181) is an IC that outputs video signals selectively. The selected one is outputted through ADC (AD9883A) as a digital signal. uCom (M306H3) interfaces with the main CPU and primarily plays the role of controlling power supply, remote controller and timers. Thus, while the set is turned off, it sends time information to uCom for management.

TMDS Tx (Sil169) is the display stage that sends video data to the display medium according to the TMDS protocol, and the TMSD receiver accepts it and outputs display.

CPU (S3C440BX) is the central processing IC, which controls most of the ICs.

Decryption FPGA(Cyclone EP1C12F256C8) can decrypt the encrypted TP(Digital Tuner stream) to normal TP(non encrypted stream).

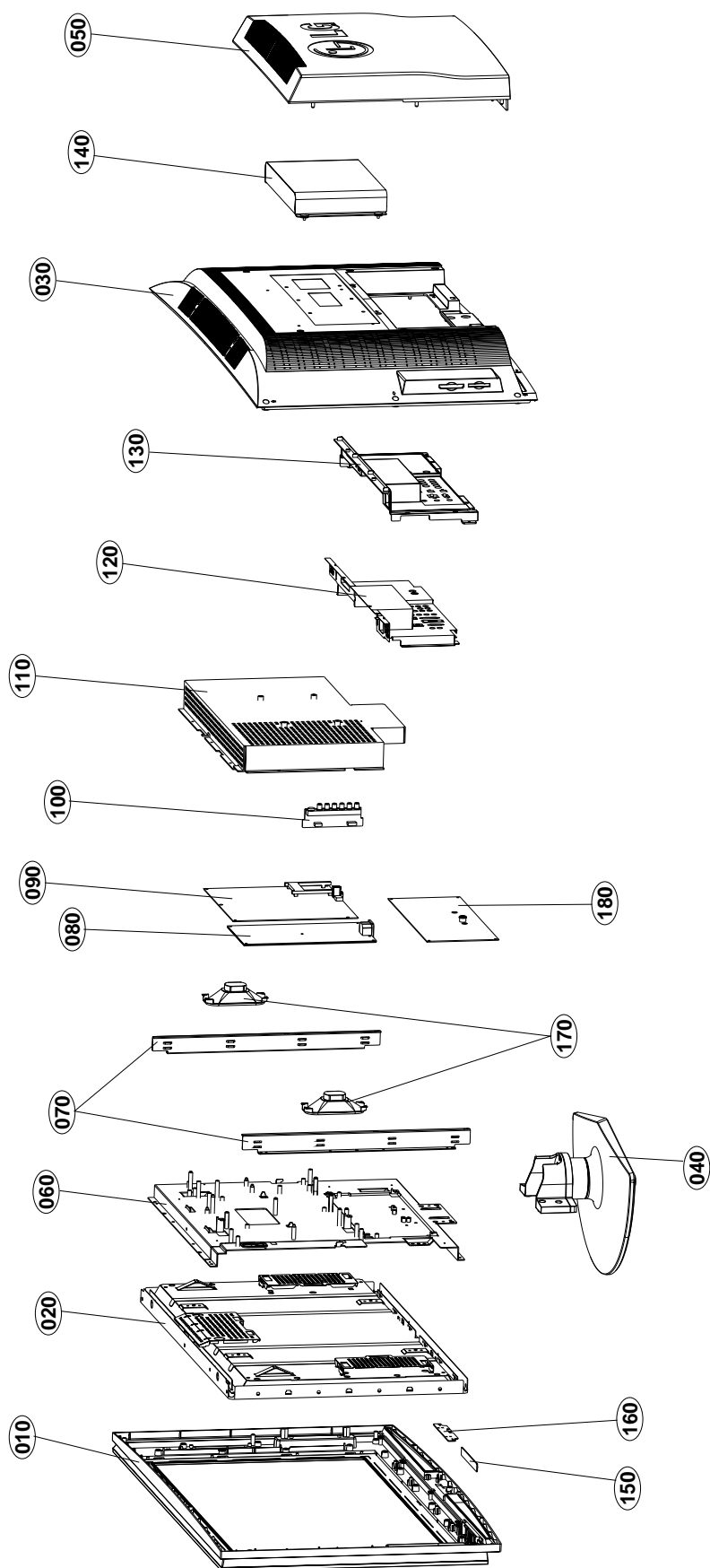
WIRING DIAGRAM



Wiring Part List

	Part No.
A	6631T11020Z-30P
B	6631T20037D-12P
C	6631T25023R-13P
D	6631T25019W-5P
E	6631T25019X-15P
F	6631V10004A-31P
G	6631T11017J-31P
H	6631T25019U-7P
I	6631T20037E-12P
J	6631T20033N-12P
K	6631T20037N-7P
L	6631T20037W-11P
M	6631T25025E-10P
N	6631T11020V-20P
O	6631T25024G-3P
P	6631T25024H-4P

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	PART NO.	DESCRIPTION
010	3091TKE034C	CABINET ASSEMBLY, 32LX3DC BRAND 3090TKE026 SET
	3091TKE034D	CABINET ASSEMBLY, 32LX3DC BRAND 3090TKE026 CSKD
	3091TKE034E	CABINET ASSEMBLY, 32LX3DCS BRAND 3090TKE026 SET
	3091TKE034F	CABINET ASSEMBLY, 32LX3DCS BRAND 3090TKE026 CSKD
020	6304FLP290A	LCD(LIQUID CRYSTAL DISPLAY), LC320W01-A6K6 LG PHILPS TFT COLOR WXGA AIODC
	or 6304FLP181A	LCD(LIQUID CRYSTAL DISPLAY), LC320W01-A6K3 LG PHILPS TFT COLOR AI ODC
030	3809TKE030E	BACK COVER ASSEMBLY, 32LX3DC 3808TKE025 SET
	3809TKE030F	BACK COVER ASSEMBLY, 32LX3DC 3808TKE025 CSKD
040	3043TKK252G	TILT SWIVEL ASSEMBLY, 32LX3DC STAND ASSY
	3043TKK252H	TILT SWIVEL ASSEMBLY, 32LX3DC CSKD STAND ASSY
	3043TKK252C	TILT SWIVEL ASSEMBLY, 32LX3DCS STAND ASSY
	3043TKK252F	TILT SWIVEL ASSEMBLY, 32LX3DCS CSKD STAND ASSY
050	3550TKK938A	COVER, 32LX3DC REAR COVER
	3550TKK938B	COVER, 32LX3DC CSKD REAR COVER\
060	4951TKK222C	METAL ASSEMBLY, FRAME METAL ASSY 32LX3DC
	4951TKK222F	METAL ASSEMBLY, FRAME METAL ASSY 32LX3DC CSKD
070	4950TKA210A	METAL, SIDE BRACKET 32LX1D
080	6871TPT303B	PWB(PCB) ASSEMBLY,POWER, DU/DN/DI-32LP10 POWER TOTAL BRAND DU(DCR) COMM - SH(D112)
090	3313TD3025B	MAIN TOTAL ASSEMBLY, 32LX3DC BRAND .
	33139D3007A	MAIN TOTAL ASSEMBLY, 32LX3DC-UA DIGITAL (PB-FREE)
100	6871TSTA84A	PWB(PCB) ASSEMBLY,SUB, 32LX3DC-UA SUB TOTAL BRAND (SIDE A/V)
110	4951TKK238E	METAL ASSEMBLY, FRAME REAR 32LX3DC
	4951TKK238F	METAL ASSEMBLY, FRAME REAR 32LX3DC CSKD
120	4815TKK046C	SHIELD ASSEMBLY, REAR SHIELD ASSY 32LX3DC
	4815TKK046F	SHIELD ASSEMBLY, REAR SHIELD ASSY 32LX3DC CSKD
130	3551TKK589C	COVER ASSEMBLY, 32LX3DC REAR AV BRACKET ASSY
	3551TKK589F	COVER ASSEMBLY, 32LX3DC CSKD REAR AV BRACKET ASSY
140	3141TZZ172A	CHASSIS ASSEMBLY, CONTROL BOX, 32LP1DC-U, LST-4100A, COMMERCIAL,KIMIN
150	6871TSTA85A	PWB(PCB) ASSEMBLY,SUB, 32LX3DC-UA KEY CONTROL TOTAL BRAND ..
160	6871TSTA86A	PWB(PCB) ASSEMBLY,SUB, 32LX3DC-UA IR&LIGHT SUB TOTAL BRAND .
170	6400GESF01A	SPEAKER,FULLRANGE, C112A02K1450 ESTEC FULL-RANGE(GENERAL) 8OHM 10/15W .DB 110 32LG10
180	6871TSTD06A	PWB(PCB) ASSEMBLY, 32LX3DC-UA ANALOG SUB TOTAL BRAND PB

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows:

CC, CX, CK, CN, CH : Ceramic
CQ : Polyestor
CE : Electrolytic
CF : Fixed Film

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RH : CHIP, Metal Glazed(Chip)
RR : Drawing

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
MAIN BOARD				
CAPACITOR				
		C100	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C101	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C102	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C103	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C104	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C105	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C106	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C107	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C110	0CH5821K416	820PF 50V 5% NP0 2012 R/TP
		C111	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C112	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C116	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C118	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C119	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C120	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C122	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C126	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C127	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C128	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1302	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1305	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1306	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1313	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1326	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C133	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1400	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C201	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C202	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C203	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C204	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C205	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C207	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C208	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C209	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C210	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C211	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C212	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C214	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C215	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C220	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C221	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C222	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C223	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C224	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C225	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C226	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C227	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C228	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C229	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C230	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C231	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C232	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C233	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C234	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C235	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C236	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C237	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C239	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C240	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C242	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C243	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C247	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C248	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C249	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C250	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C251	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C252	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C253	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C254	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C255	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C256	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C258	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C259	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C260	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C261	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C262	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C265	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C266	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C267	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C268	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C269	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C276	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C277	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C278	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C279	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C280	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C281	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C282	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C283	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C284	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C285	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C286	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C287	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C288	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C289	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C290	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C291	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C292	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C293	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C294	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C295	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C296	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C297	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C298	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C299	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C305	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C851	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C883	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C920	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C921	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C923	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C925	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C926	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		CD12	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		CD15	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		CD18	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		CD20	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		CD27	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		CD36	0CH3105F946	"1UF 16V 80%,-20% F(Y5V) 201"
		CD4	0CK225DH94A	"2.2UF 2012 25V 80%,-20% F(Y"
		CD7	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C108	0CH6220K416	22PF 2012 50V 5% NP0 -
		C109	0CH6220K416	22PF 2012 50V 5% NP0 -
		C1205	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C1206	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C1350	0CH6080K116	8PF 2012 50V 0.5 PF C0G R/T
		C306	0CH6030K116	3PF 2012 50V 0.5 PF NP0 R/T
		C307	0CH6030K116	3PF 2012 50V 0.5 PF NP0 R/T
		C311	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C359	0CH6030K116	3PF 2012 50V 0.5 PF NP0 R/T
		C360	0CH6030K116	3PF 2012 50V 0.5 PF NP0 R/T
		C363	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C450	0CH6080K116	8PF 2012 50V 0.5 PF C0G R/T
		C820	0CH6220K416	22PF 2012 50V 5% NP0 -
		C821	0CH6220K416	22PF 2012 50V 5% NP0 -
		C856	0CH6221K416	220PF 2012 50V 5% NP0 -
		C865	0CH6220K416	22PF 2012 50V 5% NP0 -
		C866	0CH6220K416	22PF 2012 50V 5% NP0 -
		C879	0CH2334F566	0.33UF 16V 10% X7R 2012 R/T
		C886	0CH6470K416	47PF 2012 50V 5% NP0 R/TP
		C888	0CH6470K416	47PF 2012 50V 5% NP0 R/TP
		C890	0CH6470K416	47PF 2012 50V 5% NP0 R/TP
		C1309	0CH6470K416	47PF 2012 50V 5% NP0 R/TP
		C1310	0CH6331K416	330PF 2012 50V 5% NP0 R/TP
		C1330	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C1331	0CH6220K416	22PF 2012 50V 5% NP0 -
		C1336	0CH6220K416	22PF 2012 50V 5% NP0 -
		C1351	0CH6560K416	56PF 2012 50V 5% NP0 -
		C142	0CH6221K416	220PF 2012 50V 5% NP0 -
		C143	0CH6331K416	330PF 2012 50V 5% NP0 R/TP
		C300	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C301	0CH2102K516	1000PF 50V 10% B(Y5P) 2012
		C313	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C314	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C315	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C357	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C358	0CH2102K516	1000PF 50V 10% B(Y5P) 2012
		C470	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C471	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C472	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C473	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C474	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C636	0CH6050K116	5PF 2012 50V 10% NP0 R/TP
		C684	0CH6220K416	22PF 2012 50V 5% NP0 -
		C686	0CH6220K416	22PF 2012 50V 5% NP0 -
		C817	0CH6561K416	560PF 2012 50V 5% NP0 R/TP
		C838	0CH2334F566	0.33UF 16V 10% X7R 2012 R/T
		C845	0CH2334F566	0.33UF 16V 10% X7R 2012 R/T

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C850	0CH2334F566	0.33UF 16V 10% X7R 2012 R/T
		C825	0CE227DK618	220UF STD 50V M FL TP5
		C829	0CE227DK618	220UF STD 50V M FL TP5
		C1201	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C124	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C125	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C1300	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C1301	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C1303	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C1304	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C1307	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C1317	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C132	0CH8105K691	1UF 50V 20% 105STD (CYL) R/
		C1320	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C1324	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C1327	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C1328	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C1337	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C1352	0CE476WK6DC	47UF MVK 50V 20% R/TP(SMD)
		C1353	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C1355	0CE476WK6DC	47UF MVK 50V 20% R/TP(SMD)
		C1356	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C1401	0CE476WK6DC	47UF MVK 50V 20% R/TP(SMD)
		C1406	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C1407	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C1409	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C1410	0CE476WK6DC	47UF MVK 50V 20% R/TP(SMD)
		C1414	0CH8477F691	470UF MVK 16V 20% SMD R/TP(
		C1415	0CH8477F691	470UF MVK 16V 20% SMD R/TP(
		C206	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C302	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C312	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C346	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C364	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C368	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C371	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C384	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C386	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C393	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C394	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C397	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C398	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C406	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C407	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C416	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C420	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C422	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C424	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C430	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C442	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C504	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C550	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C555	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C601	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C622	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C624	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C626	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C628	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C637	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C639	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C643	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C677	0CH8476F691	47UF 16V 20% 105STD (CYL) R

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C801	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C802	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C804	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C806	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C807	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C812	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C813	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C814	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C815	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C827	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C830	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C833	0CH8477F691	470UF MVK 16V 20% SMD R/TP(
		C834	0CH8477F691	470UF MVK 16V 20% SMD R/TP(
		C837	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C840	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C842	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C844	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C847	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C849	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C852	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C869	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C875	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C878	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C881	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C884	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C918	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C919	0CH8476F691	47UF 16V 20% 105STD (CYL) R
		C922	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		CD2	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		CD43	0CE107WH6DC	100UF MVK 25V 20% R/TP(SMD)
		CD44	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		CD47	0CE107WH6DC	100UF MVK 25V 20% R/TP(SMD)
DIODES				
		D601	0DRSE00018A	SRV05-4.TC SEMTECH R/TP SOT
		D601	0DRSE00018B	"SRV05-4.TCT, SEMTECH R/TP S-Non Pb-free
		D602	0DRSE00018A	SRV05-4.TC SEMTECH R/TP SOT
		D602	0DRSE00018B	"SRV05-4.TCT, SEMTECH R/TP S-Non Pb-free
		D603	0DRSE00018A	SRV05-4.TC SEMTECH R/TP SOT
		D603	0DRSE00018B	"SRV05-4.TCT, SEMTECH R/TP S-Non Pb-free
		D604	0DRSE00018A	SRV05-4.TC SEMTECH R/TP SOT
		D604	0DRSE00018B	"SRV05-4.TCT, SEMTECH R/TP S-Non Pb-free
		D811	0DS181009AA	KDS181 TP KEC SOT-23 80V
		D100	0DD184009AA	KDS184 TP KEC - 85V - - - 3
		D410	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D600	0DD184009AA	KDS184 TP KEC - 85V - - - 3
		D611	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D612	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D613	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D614	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D615	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D616	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D617	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D618	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D800	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D801	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D802	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		ZD1301	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1302	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1303	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1304	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ZD1305	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
IC				
		IC500	0ICB841500D	CS8415AR-CSR 28PIN SOIC R/T
		IC200	0ICTMLG009A	LGDT1102 HD2 LG IC SBGA-43
		IC200	0ICTMLG009D	LGDT1102 HD2 LEED FREE LG I-Non Pb-free
		IC315	0ICTMLG013A	LGDT1901A LG IC 24P SSOP TR
		IC607	0ICTMLG014A	LGDT3302 LG IC 100P TQFP TR
		IC101	0IZZTSZ667B	ATMEL 25P 32LX3DC-UA FLASH
		IC102	0IZZTSZ668B	ATMEL 25PINP 32LX3DC-UA FLA
		IC300	0ILNRMN005A	VPX3226E MICRONAS 44 QFP TR
		IC308	0ILNRMN005A	VPX3226E MICRONAS 44 QFP TR
		IC101	0IMMRAL053A	"AT49BV320C-70TU ATMEL 480,T"
		IC102	0IMMRAL053A	"AT49BV320C-70TU ATMEL 480,T"
		IC103	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE
		IC103	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-Non Pb-free
		IC104	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE
		IC104	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-Non Pb-free
		IC107	0IAL242561B	AT24C256W-10SI-2.7V 8P SOIC
		IC210	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE
		IC210	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-Non Pb-free
		IC211	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE
		IC211	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-Non Pb-free
		IC212	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE
		IC212	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-Non Pb-free
		IC213	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE
		IC213	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-Non Pb-free
		IC601	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P
		IC803	0IMMR00037A	"M306H3FCFP RENESAS 116P,LQF"
		IC830	0IMCRAL006A	"AT24C16AN-10SU-2.7,LF ATMEL"
		ICD2	0IMMRAT006C	EPSCS4S18N(PROGRAMED)PB FREE
		IC100	0IMCRSS016A	S3C44BOX01-EDRO SAMSUNG ELE
		IC108	0IMCRPH026A	PCA9516PW PHILIPS 16P TSSOP
		IC109	0IMCRPH026A	PCA9516PW PHILIPS 16P TSSOP
		IC110	0IMCRSG010A	ST3232CDR SGS-THOMSON SOP16
		IC314	0IMCRXL004A	"XC95288XL-10TQG144C,LF XIL"
		IC316	0IMCRCY002A	CY2309SXC-1HT CYPRESS SOIC
		IC603	0IMCRS5003A	SIL169CT100 SILICON IMAGE 1
		IC900	0IMCRJP001A	J-L003 JEPICO 176P QFP TRAY
		IC322	0IMI623200B	"M62320FP,I/O EXPANDER 16P S"
		IC301	0IPRPAD008B	"AD9883AKST(Z)-110,LF ANALOG"
		IC450	0ITH638300B	THC63LVDM83R THINE ELECTRON
		IC450	0ITH638300C	"THC63LVDM83R(F),LF THINE EL-Non Pb-free
		ICF1	0IPRPAT002B	EP1C12F256C8 ALTERA 256P/BG
		ICF1	0IPRPAT002A	EP1C12F256C8N(PB FREE) ALTE-Non Pb-free
		IC602	0IPH827150A	P82B715T 8SOP R/TP IIC EXTE
		IC105	0IKE702900G	KIA7029AF SOT-89 TP 2.9V VO
		IC400	0IMCRSJ001A	SC15651ST-1.8 SEMTECH 3P SO
		IC401	0IPRPML001A	MIC39100 MICREL 3P SOT223 R
		IC606	0IMCRSJ001A	SC15651ST-1.8 SEMTECH 3P SO
		IC800	0IMCRSH001A	"PQ05DZ1U SHARP 5, SMD TYPE"
		IC801	0IMCRSH001A	"PQ05DZ1U SHARP 5, SMD TYPE"
		IC802	0IMCRSH001A	"PQ05DZ1U SHARP 5, SMD TYPE"
		IC820	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VO
		IC910	0IPRPML001A	MIC39100 MICREL 3P SOT223 R
		ICD3	0IMCRFA020A	RC1587DT_36 FAIRCHILD 3P TO
		IC402	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULA
		IC805	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULA
		IC106	0IPH741400E	74HC14D 14SOP TP SHITTER TR
		IC503	0ITO741570C	"TC74LVCX157FT 16P,TSSOP TP Q"
		IC504	0IMCRFA014A	74F04SCX FAIRCHILD 14P SOIC

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
COIL & CORE & FILTER & INDUCTOR				
		B200	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B310	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B311	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B315	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B400	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B402	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B403	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B550	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B551	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B601	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B612	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B620	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B800	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B900	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		LD11	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD2	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD8	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		R408	6210TCE001A	HB-1S2012-080JT CERATEC 201
		B1	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B2	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B3	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B303	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B304	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B305	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B306	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B307	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B312	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B313	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B314	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B4	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B411	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B412	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B413	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B414	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B5	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B510	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B6	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B600	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B602	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B603	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B611	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B7	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		B801	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B802	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B803	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B804	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B805	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B806	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		B901	0LCML00002A	MLB-321611-0120A-N1 MAG LAY
		B902	0LCML00002B	MLB-321611-0050P-N1 6A MAG
		F400	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F401	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F402	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F403	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F404	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F405	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F407	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F408	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F410	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2
		F411	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2
		F800	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		F801	6200VJT001A	BMK400 TA NIIGATA 50VOLT 1A
		F810	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2
		IC302	6200J00011A	H354LAI-K5202 TOKO R/TP BAN
		IC303	6200J00011A	H354LAI-K5202 TOKO R/TP BAN
		L400	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L802	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L803	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L804	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L816	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L819	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L820	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD1	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD3	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD4	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD5	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD6	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LD7	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L809	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N
		L810	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N
		L801	0LC6832101A	6.8UH 10% 3216 R/TC FI-C321
		L808	0LC6832101A	6.8UH 10% 3216 R/TC FI-C321
		L308	0LC6832101A	6.8UH 10% 3216 R/TC FI-C321
		L309	0LC6832101A	6.8UH 10% 3216 R/TC FI-C321
		L800	0LC6832101A	6.8UH 10% 3216 R/TC FI-C321
TRANSISTOR				
		Q100	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP
		Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q411	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q552	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q553	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q554	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q800	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q802	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q804	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q811	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q308	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q309	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q310	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q311	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q410	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q600	0TR830009BA	BSS83 TP PHILIPS NON N-CHAN
		Q601	0TR830009BA	BSS83 TP PHILIPS NON N-CHAN
		Q602	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q803	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q810	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		IC321	0TF492509AA	SI4925DY TP TEMIC 30V 6.1A
		IC460	0TF492509AA	SI4925DY TP TEMIC 30V 6.1A
RESISTORS				
		AR100	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R
		AR101	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R
		AR400	0RHZTCZ001E	RCA SMART 470OHM 1/16 W 5% 3
		AR401	0RHZTCZ001E	RCA SMART 470OHM 1/16 W 5% 3
		AR402	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR403	0RHZTCZ001E	RCA SMART 470OHM 1/16 W 5% 3
		AR404	0RHZTCZ001E	RCA SMART 470OHM 1/16 W 5% 3
		AR405	0RHZTCZ001E	RCA SMART 470OHM 1/16 W 5% 3
		AR406	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		AR407	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR408	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR600	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%
		AR601	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%
		AR602	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%
		AR603	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%
		AR604	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%
		AR611	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR612	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR613	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		R496	0RS0332J609	33 1W 5 TA52
		R107	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R109	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1117	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1118	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1119	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R115	0RH1003D622	100K OHM 1 / 10 W 2012 5.00
		R127	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R129	0RH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R130	0RH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R1308	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1326	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1344	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1362	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1363	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R137	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R138	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R1396	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R152	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R153	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R155	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R167	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R177	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R178	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1800	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1802	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1805	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1806	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R183	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R184	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R185	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R186	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R187	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R188	0RH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R192	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R193	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R194	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R195	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R197	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R208	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R210	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R212	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R218	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R227	0RH3900D622	390 OHM 1 / 10 W 2012 5.00%
		R228	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R233	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R243	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R244	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R247	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R249	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R251	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R257	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R258	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R259	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R260	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R261	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R262	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R263	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R264	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R267	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R269	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R271	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R273	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R275	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R301	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R352	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R354	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R361	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R362	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R384	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R391	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R392	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R393	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R395	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R396	0RH0682D622	68 OHM 1 / 10 W 2012 5.00%
		R398	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R399	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R409	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R411	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R421	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R425	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R513	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R514	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R558	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R559	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R560	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R561	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R562	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R563	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R564	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R565	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R603	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R604	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R605	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R606	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R607	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R615	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R616	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R641	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R643	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R646	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R651	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R652	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R653	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R682	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R685	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R695	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R696	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R697	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R698	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R806	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R807	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R808	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R810	0RH3902D622	39K OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R811	0RH2202D622	22K OHM 1 / 10 W 2012 5.00%
		R813	0RH6201D622	6.2K OHM 1 / 10 W 2012 5.00
		R814	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R816	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R817	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R818	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R822	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R825	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R826	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R835	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R836	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R839	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R844	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R845	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R848	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R851	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R852	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R854	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R864	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R869	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R872	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R874	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R875	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R878	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R885	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R887	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R888	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R889	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R890	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R891	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R897	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R909	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R911	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		RD10	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		RD13	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD14	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD15	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD39	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD40	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD41	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD9	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		RM800	0RH5100D622	510 OHM 1 / 10 W 2012 5.00%
		RM801	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		RM802	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R100	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R101	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R102	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1027	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R103	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R105	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R106	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R110	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R111	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1113	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R112	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1120	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1121	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R113	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R114	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R116	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R117	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R118	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R119	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R120	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R121	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R122	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R123	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R124	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R125	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R126	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1309	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R131	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R1310	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1311	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1322	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1323	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1324	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1325	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1327	0RH1201D622	1.2K OHM 1 / 10 W 2012 5.00
		R1329	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R133	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R1330	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1331	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1332	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1334	0RH0272D622	27 OHM 1 / 10 W 2012 5.00%
		R1335	0RH0682D622	68 OHM 1 / 10 W 2012 5.00%
		R1342	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1345	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1346	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R1349	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R135	0RH6201D622	6.2K OHM 1 / 10 W 2012 5.00
		R1350	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1351	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1352	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1353	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1354	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1355	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1356	0RH4300D622	CHIP 430-J 1/10 W
		R1357	0RH4300D622	CHIP 430-J 1/10 W
		R1358	0RH4300D622	CHIP 430-J 1/10 W
		R1359	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R136	0RH6201D622	6.2K OHM 1 / 10 W 2012 5.00
		R1361	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1364	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1365	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1366	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1367	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1368	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R1369	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R1370	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R1371	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R1372	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1373	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1374	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R1375	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R1376	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R1377	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R1378	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R1379	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R1380	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R1381	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R1382	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1383	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R139	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1391	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1397	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1398	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1399	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R140	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R144	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R145	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R146	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R147	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R148	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R149	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R150	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R159	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R160	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1601	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1602	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1603	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R161	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R162	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R163	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R164	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R165	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R166	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R176	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R179	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R180	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1803	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1804	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R181	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R198	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R199	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R200	0RH3900D622	390 OHM 1 / 10 W 2012 5.00%
		R202	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R204	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R207	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R216	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R220	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R221	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R222	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R223	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R224	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R225	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R226	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R229	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R230	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R2300	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R2301	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R2302	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R2303	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R2305	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R2306	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R2308	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R231	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R2311	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R2312	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R232	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R234	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R235	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R245	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R246	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R248	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R252	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R254	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R255	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R256	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R265	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R266	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R268	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R270	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R272	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R300	0RH8200D622	820 OHM 1 / 10 W 2012 5.00%
		R302	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R303	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R304	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R305	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R306	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R307	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R308	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R309	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R310	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R314	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R315	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R316	0RH2701D622	2.7K OHM 1 / 10 W 2012 5.00
		R317	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R318	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R319	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R320	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R321	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R322	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R323	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R324	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R325	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R326	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R327	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R329	0RH1602D622	16K OHM 1 / 10 W 2012 5.00%
		R330	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R331	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R332	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R333	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R334	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R335	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R336	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R337	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R338	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R339	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R340	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R341	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R342	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R343	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R344	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R345	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R346	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R347	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R348	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R349	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R350	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R356	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R357	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R358	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R367	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R368	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R370	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R371	0RH6802D622	68K OHM 1 / 10 W 2012 5.00%
		R373	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R379	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R380	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R381	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R382	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R386	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R387	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R388	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R390	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R394	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R397	0RH0272D622	27 OHM 1 / 10 W 2012 5.00%
		R416	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R417	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R420	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R430	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R431	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R432	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R451	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R452	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R463	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R465	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R472	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R474	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R489	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R491	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R492	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R493	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R494	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R502	0RH1201D622	1.2K OHM 1 / 10 W 2012 5.00
		R503	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R504	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R505	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R506	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R508	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R511	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R512	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R524	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R525	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R529	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R533	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R555	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R556	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R557	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R600	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R608	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R609	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R610	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		R612	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R613	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R617	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R618	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R619	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R621	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R622	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R623	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R624	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R625	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R626	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R628	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R630	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R631	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R632	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R633	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R635	0RH3000D622	300 OHM 1 / 10 W 2012 5.00%
		R637	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R638	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R639	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R640	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R642	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R644	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R663	0RH3001D622	3K OHM 1 / 10 W 2012 5.00%
		R664	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R665	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R666	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R670	0RH1004D622	1M OHM 1 / 10 W 2012 5.00%
		R671	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R672	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R673	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R674	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R675	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R676	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R684	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R699	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R800	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R801	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R802	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R803	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R804	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R805	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R812	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R815	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R820	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R824	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R827	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R828	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R829	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R830	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R831	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R832	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R833	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R837	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R838	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R840	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R841	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R842	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R843	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R846	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R847	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R849	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R850	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R855	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R856	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R857	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R858	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R859	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R860	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R861	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R862	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R865	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R867	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R870	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R871	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R873	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R876	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R877	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R879	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R880	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R881	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R882	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R883	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R884	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R893	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R895	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R899	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R900	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R901	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R902	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R903	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R904	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R905	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R906	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R907	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R908	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R910	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R912	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R913	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R914	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R915	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R916	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R917	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R918	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R919	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R920	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R921	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R922	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R962	0RH0332D622	33 OHM 1 / 10 W 2012 5.00%
		RD1	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD16	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD17	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD18	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD19	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD2	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD20	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD21	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD22	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD23	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD24	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		RD25	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		RD26	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		RD29	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD3	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD30	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD31	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD32	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD33	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD34	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD35	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD36	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD37	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD38	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD4	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RD401	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD42	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD44	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD5	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD6	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		RD7	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		RD8	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
OTHERS				
		X820	6212AC2329A	CH-206 SUNNY 32.768KHZ +/-
		X100	6212AB2015E	HC-49/SM BUBANG 10.0MHZ +/-
		X300	6202VDT002E	SX-1SMD SUNNY RADIAL 202500
		X301	6202VDT002E	SX-1SMD SUNNY RADIAL 202500
		SW100	6600VR1004A	SKHMPW 5P CHIP TACT J-ALPS
		X821	6202TTB004E	HC-49/U KONY RADIAL 10MHZ 3
		LED600	0DL233309AC	SAM2333 TP KWANG GREEN/RED
		IC312	6204B60001B	VCXO BUBANG 27MHZ +/- 100 P
		X601	6204B47985K	BMS-873R BUBANG 25MHZ +/- 5
		X900	6204B47985H	SCO-103 SUNNY 74.25MHZ +/-
		XD1	6204B60001B	VCXO BUBANG 27MHZ +/- 100 P
		TU101	6700NFNS04F	TDVL-H751P LG INOTEK MULTI
CONTROL BOARD				
		SW1101	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1102	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1103	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1104	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1105	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1106	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1107	140-313B	TACT 2LEAD 160G(TA) LG C&D
		SW1108	140-313B	TACT 2LEAD 160G(TA) LG C&D
		R1101	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1102	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1103	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1104	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1105	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1106	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		ZD1201	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1202	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1203	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1204	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1205	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1206	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
ANALOG BOARD				
		C106	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C107	0CH6220K416	22PF 2012 50V 5% NP0 -
		C108	0CH6220K416	22PF 2012 50V 5% NP0 -
		C110	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C111	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C120	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C122	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C123	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C124	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1801	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1803	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1804	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1805	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1807	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1811	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1812	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C1815	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1817	0CH6220K416	22PF 2012 50V 5% NP0 -
		C1818	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1820	0CH6220K416	22PF 2012 50V 5% NP0 -

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1863	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1864	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1866	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1867	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C601	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C603	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C605	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C606	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C607	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C609	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C610	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C616	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C646	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C647	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C648	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C649	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C650	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C652	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C654	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C655	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C656	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C657	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C662	0CH3223K516	22000PF 2012 50V 10% B(Y5P)
		C663	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C664	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C666	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C668	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C669	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C671	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C674	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C676	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C690	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C691	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C693	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C694	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C729	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C733	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C740	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C742	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C744	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C745	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C748	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C749	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C751	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C752	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C762	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C764	0CH2334F566	0.33UF 16V 10% X7R 2012 R/T
		C765	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C767	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C768	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C773	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C774	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C784	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C800	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C811	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C816	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C821	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C822	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C828	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C833	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C834	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C835	0CH3103K516	10000PF 50V 10% B(Y5P) 2012

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C838	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C839	0CH3105F946	"1UF 16V 80%,-20% F(Y5V) 201"
		C859	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C861	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C862	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C863	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C864	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C865	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C871	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C872	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C874	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C876	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C877	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C879	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C880	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C881	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C884	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C885	0CH6561K416	560PF 2012 50V 5% NP0 R/TP
		C886	0CH5821K416	820PF 50V 5% NP0 2012 R/TP
		C887	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C888	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C889	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C890	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C892	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C893	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C894	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C895	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C896	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C903	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C904	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C928	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C929	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C931	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C932	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C933	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C934	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C935	0CH3822K516	8200PF 2012 50V 10% B(Y5P)
		C945	0CH6471K416	470PF 2012 50V 5% NP0 R/TP
		C951	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C969	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C980	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C988	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C989	0CH6560K416	56PF 2012 50V 5% NP0 -
		C990	0CH6560K416	56PF 2012 50V 5% NP0 -
		D702	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D704	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D706	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		IC602	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		L102	0LC4732101A	4.7UH 10% 3216 R/TC FI-B321
		L103	0LC4732101A	4.7UH 10% 3216 R/TC FI-B321
		L602	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L603	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L604	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L605	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L606	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L611	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L614	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L709	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L713	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L715	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L716	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L718	6210TCE001G	HH-1M3216-501 CERATEC 3216M

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L719	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L802	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L803	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L804	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L805	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L806	0LC4732101A	4.7UH 10% 3216 R/TC FI-B321
		L807	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L808	0LC1032101A	10UH 10% 3216 R/TC FI-C3216
		L809	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L810	0LCML00005A	MLI-201209-5R6K MAG LAYERS
		L811	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L812	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L813	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L814	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L815	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L816	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L817	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L818	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L821	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L906	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L907	0LC1020101A	1UH 10% 2012 R/TC FI-B2012-
		L908	0LC1020101A	1UH 10% 2012 R/TC FI-B2012-
		L912	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		LP101	6210TCE001D	HB-1M2012-601JT CERATEC 201
		Q806	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q807	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q808	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q809	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q810	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q811	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q816	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q817	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q818	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q819	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q825	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q827	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q828	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q829	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q835	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q836	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q839	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q840	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q843	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q844	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q845	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q851	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q903	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q904	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q910	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q911	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q912	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP
		Q913	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q914	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q915	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		QP102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		QP103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R101	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R102	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R103	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R104	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R105	0RH7500D622	750 OHM 1 / 10 W 5% D R/TP
		R106	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R107	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R108	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R109	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R110	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R111	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R112	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R119	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R120	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R122	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R125	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R126	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R127	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R128	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R129	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R135	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R138	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R140	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R141	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R143	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R145	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R147	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R1601	0RH1500D622	150 OHM 1 / 10 W 2012 5.00%
		R1602	0RH1500D622	150 OHM 1 / 10 W 2012 5.00%
		R162	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R164	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R165P	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R166	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R168	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R169P	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R170	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R172	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R173	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R174	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R175	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R177	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R178	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1801	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1802	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1803	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1804	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1805	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R1806	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R1807	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00
		R1808	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00
		R1810	0RH5100D622	510 OHM 1 / 10 W 2012 5.00%
		R1811	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1814	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1817	0RH3600D622	CHIP 360-J 1/10 W
		R1818	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1819	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1820	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1821	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1822	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R1827	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1828	0RH3302D622	33K OHM 1 / 10 W 2012 5.00%
		R1829	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1831	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1832	0RH3000D622	300 OHM 1 / 10 W 2012 5.00%
		R1833	0RH0682D622	68 OHM 1 / 10 W 2012 5.00%
		R1834	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1835	0RH1801D622	1.8K OHM 1 / 10 W 2012 5.00
		R1840	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1841	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R1843	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1845	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1846	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R1848	0RH3302D622	33K OHM 1 / 10 W 2012 5.00%
		R1849	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1851	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1852	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R1855	0RH1801D622	1.8K OHM 1 / 10 W 2012 5.00
		R1862	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1863	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1864	0RH0472D622	47 OHM 1 / 10 W 2012 5.00%
		R1865	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1866	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1867	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1868	0RH2700D622	270 OHM 1 / 10 W 2012 5.00%
		R1873	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1874	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1875	0RH0472D622	47 OHM 1 / 10 W 2012 5.00%
		R1876	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1877	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1878	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1879	0RH2700D622	270 OHM 1 / 10 W 2012 5.00%
		R1882	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1884	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R1885	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1886	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1887	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R1893	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R1894	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R1895	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R1902	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1903	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R1904	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00
		R1905	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R1906	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1907	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R1908	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00
		R1909	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R1910	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1911	0RH0432D622	43 OHM 1 / 10 W 2012 5.00%
		R1926	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R304	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R601	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R646	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R661	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R663	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R664	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R669	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R670	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R673	0RH0101D622	1.0 1/10W 5 TA
		R674	0RH0101D622	1.0 1/10W 5 TA
		R675	0RH0101D622	1.0 1/10W 5 TA
		R678	0RH0101D622	1.0 1/10W 5 TA
		R679	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R691	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R692	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R703	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R707	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R800	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R801	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R803	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R804	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R805	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R824	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R825	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R826	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R827	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R828	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R829	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R830	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R831	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R832	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R833	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R834	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R836	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R837	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R838	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R839	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R840	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R841	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R842	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R843	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R844	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R852	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R853	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R862	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R865	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R866	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R867	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R868	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R869	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R870	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R871	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R881	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R883	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R884	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R885	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R887	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R891	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R893	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R895	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R896	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R897	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R899	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R901	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R902	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R903	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R904	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R905	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R906	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R910	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R946	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R956	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R959	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R960	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R965	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R966	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R976	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R977	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R978	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R979	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R980	0RH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R995	0RH0432D622	43 OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R997	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R998	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R999	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		RP104	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		RP105	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RP106	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		RP107	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		RP108	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		RP109	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		RP110	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		RP111	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		ZD101	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD102	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD104	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD106	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD115	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD120	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD121	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD122	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD123	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD124	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD125	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD128	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD132	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD133	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD300	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD301	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD302	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD303	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD902	0DZ820009AK	UDZS 8.2B ROHM R/TP SOD323
		C1810	0CE105CK636	"1UF SHL,SD 50V 20% FM5 BP(D"
		C677	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE N
		C681	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE N
		C688	0CE108EJK18	"1000UF KMG,RD 35V 20%,-20%"
		C689	0CE108EJK18	"1000UF KMG,RD 35V 20%,-20%"
		C902	0CE4772J618	470UF KMF 35V 20% TP 5 FL
		L607	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L608	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L609	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L610	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		R859	0RN1002F409	10K OHM 1/6 W 1.00% TA52
		X802	6212AB3004D	CSALF2M69G4ZF01-A3 MURATA 2
		C112	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C113	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C114	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C115	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C116	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C117	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C130	0CH6220K416	22PF 2012 50V 5% NP0 -
		C131	0CH6220K416	22PF 2012 50V 5% NP0 -
		C132	0CH6220K416	22PF 2012 50V 5% NP0 -
		C1802	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1806	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C1809	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C1813	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C1814	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1821	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C1822	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C1862	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C1865	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C1868	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C1871	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C602	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C604	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C611	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C612	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C613	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C614	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C615	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C651	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C653	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C658	0CH3105F946	"1UF 16V 80%,-20% F(Y5V) 201"
		C659	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C660	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C661	0CH3105F946	"1UF 16V 80%,-20% F(Y5V) 201"
		C665	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C667	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C670	0CH2333K516	33000PF 50V 10% B(Y5P) 2012
		C672	0CH2333K516	33000PF 50V 10% B(Y5P) 2012
		C673	0CH2333K516	33000PF 50V 10% B(Y5P) 2012
		C675	0CH2333K516	33000PF 50V 10% B(Y5P) 2012
		C678	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C679	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C680	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C682	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C683	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C684	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C685	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C686	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C692	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C695	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C724	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C725	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C726	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C727	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C728	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C730	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C731	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C732	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C734	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C735	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C741	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C743	0CH8477F691	470UF MVK 16V 20% SMD R/TP(
		C763	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C766	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C770	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C771	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C781	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C782	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C783	0CH3334K946	"0.33UF 50V 80%,-20% F(Y5V)"
		C785	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C786	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C787	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C801	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C802	0CH5820K416	82PF 2012 50V 5% NP0 R/TP
		C803	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C804	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C805	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C806	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C807	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C808	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C809	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C810	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C812	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C813	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C814	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C815	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C817	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C818	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C819	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C820	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C823	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C824	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C825	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C826	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C827	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		C829	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C830	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C831	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C832	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C836	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C837	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C842	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C843	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C844	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C845	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C846	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C847	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C848	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C849	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C850	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C851	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C852	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C853	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C854	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C855	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C856	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C857	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C858	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C860	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C866	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C867	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C868	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C870	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C873	0CH8477F691	470UF MVK 16V 20% SMD R/TP(
		C875	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C878	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C882	0CH6220K416	22PF 2012 50V 5% NP0 -
		C883	0CH6220K416	22PF 2012 50V 5% NP0 -
		C897	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C898	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C899	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C900	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C901	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C905	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C906	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C927	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C930	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) S
		C936	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C937	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C938	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C939	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C940	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C941	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C942	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C943	0CH3103K516	10000PF 50V 10% B(Y5P) 2012

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C944	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C946	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C947	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C953	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)
		C954	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)
		C958	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C959	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C960	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C961	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C962	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C963	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C964	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C965	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C966	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C967	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C968	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD)
		C970	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD)
		C971	0CH3103K516	10000PF 50V 10% B(Y5P) 2012
		C972	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C973	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C974	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C975	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C976	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C977	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C978	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C979	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C981	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD)
		C987	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C991	0CH6020K116	2PF 2012 50V 0.5 PF C0G R/T
		C992	0CH6020K116	2PF 2012 50V 0.5 PF C0G R/T
		D701	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		IC102	0IMMRCS013A	"CAT24C21 CATALYST 8P,SOIC R"
		IC601	0IMCRFA010A	"KA7809R, FAIRCHILD 2P D-PAK"
		IC601	0IMMRAL014C	"AT24C02N-10SU-2.7,LF ATMEL-Non Pb-free
		IC603	0ISTLT1049A	"CD4052BPWR,LF TEXAS INSTRUM"
		IC603	0IMCRS5003B	"SIL169CTG100,LF SILICON IMA-Non Pb-free
		IC604	0IMCRNL001A	NSP-6241B NEOFIDELITY 64P T
		IC604	0IMCRNL001C	"NSP-6241B,PB FREE NEOFIDELI-Non Pb-free
		IC605	0IMCRTI028C	"TAS5122DCARG4,LF TEXAS INS"
		IC606	0IKE702900G	KIA7029AF SOT-89 TP 2.9V VO
		IC608	0ICB533100A	CS5331A-KSR 8SOIC TP ADC -
		IC702	0IMCRSH001A	"PQ05DZ1U SHARP 5, SMD TYPE"
		IC704	0IMCRSH001A	"PQ05DZ1U SHARP 5, SMD TYPE"
		IC705	0IMCRFA010A	"KA7809R, FAIRCHILD 2P D-PAK"
		IC706	0IPRPML001A	MIC39100 MICREL 3P SOT223 R
		IC801	0IMCRSO025A	CXA2181Q SONY 48P QFP TRAY
		IC803	0ISO206900A	CXA2069Q QFP64 BK I2C BUS A
		IC804	0IMMRNE002A	UPD64083GF3BA NEC 100 QFP S
		IC804	0IMMRNE002B	"UPD64083GF3BA-A,LF NEC 100-Non Pb-free
		IC901	0IMCRTI001A	"SN74HCT157DR,LF TEXAS INST"
		IC902	0IMCRTI007A	TPA0242PWP TEXAS INSTRUMENT
		IC902	0IMCRTI007B	"TPA0242PWP,LF TEXAS INST-Non Pb-free
		IC904	0IMCRMN027B	MSP4440G-QA-C13-101WITH SRS
		L104	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L613	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L705	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L708	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L710	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L711	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L712	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L714	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L720	6210TCE001G	HH-1M3216-501 CERATEC 3216M

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L724	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L725	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L801	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L819	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L831	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L832	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L848	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L849	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L850	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L851	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L852	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L853	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L855	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L856	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L857	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L858	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L865	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L909	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L911	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L913	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		LD801	ODL233309AC	SAM2333 TP KWANG GREEN/RED
		LP100	6210TCE001D	HB-1M2012-601JT CERATEC 201
		LS600	6210TCE001P	HB-1S2012-121JT CERATECH 20
		LS601	6210TCE001P	HB-1S2012-121JT CERATECH 20
		LS602	6210TCE001P	HB-1S2012-121JT CERATECH 20
		LS603	6210TCE001P	HB-1S2012-121JT CERATECH 20
		P802	6602T11001A	FI-TWE21P-VF JAE 21P 1.25MM
		P803	6630VE00731	10022HS-31A02 YEONHO 31P 1.
		P804	6630VE00731	10022HS-31A02 YEONHO 31P 1.
		P805	6630VE00731	10022HS-31A02 YEONHO 31P 1.
		Q803	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q804	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q805	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q813	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q820	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q821	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q822	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q823	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q824	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q826	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q830	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q832	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q833	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q834	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q837	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q838	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q841	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q842	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q846	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q847	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q848	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q849	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q850	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		QP100	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		QP101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R113	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R114	0RH7500D622	750 OHM 1 / 10 W 5% D R/TP
		R115	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R116	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R118	0RH1501D622	1.5K OHM 1 / 10 W 2012 5.00
		R121	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R123	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D

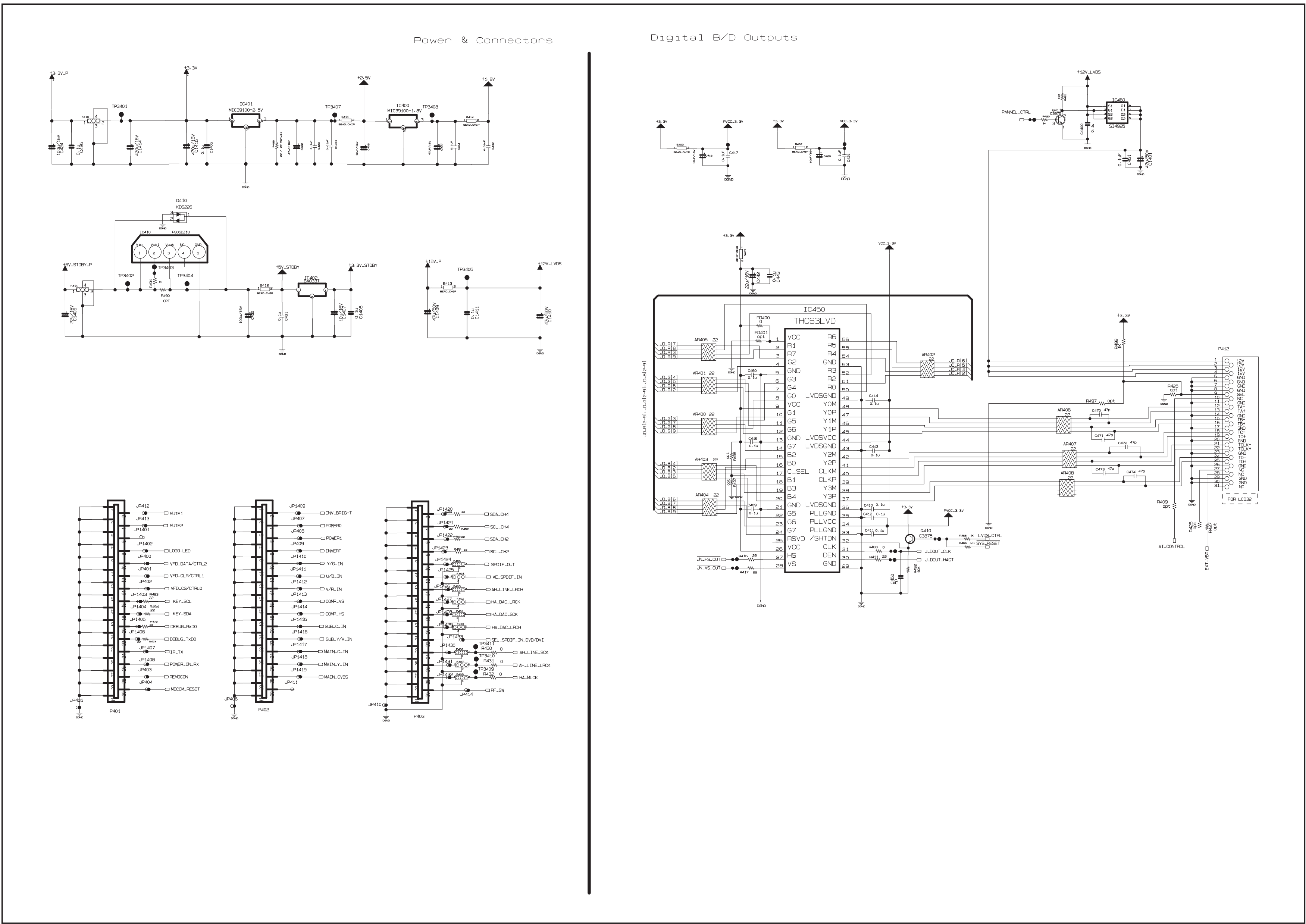
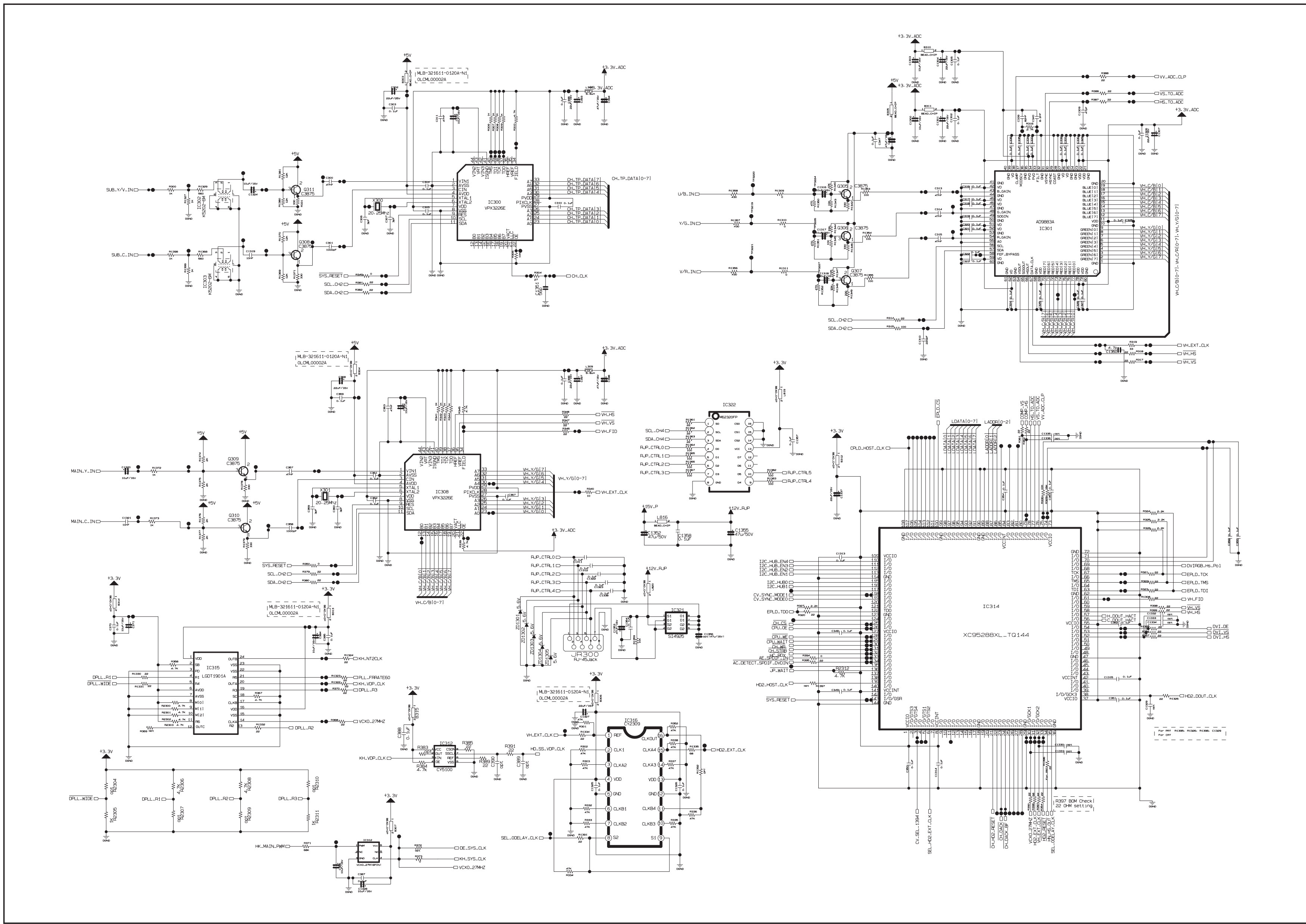
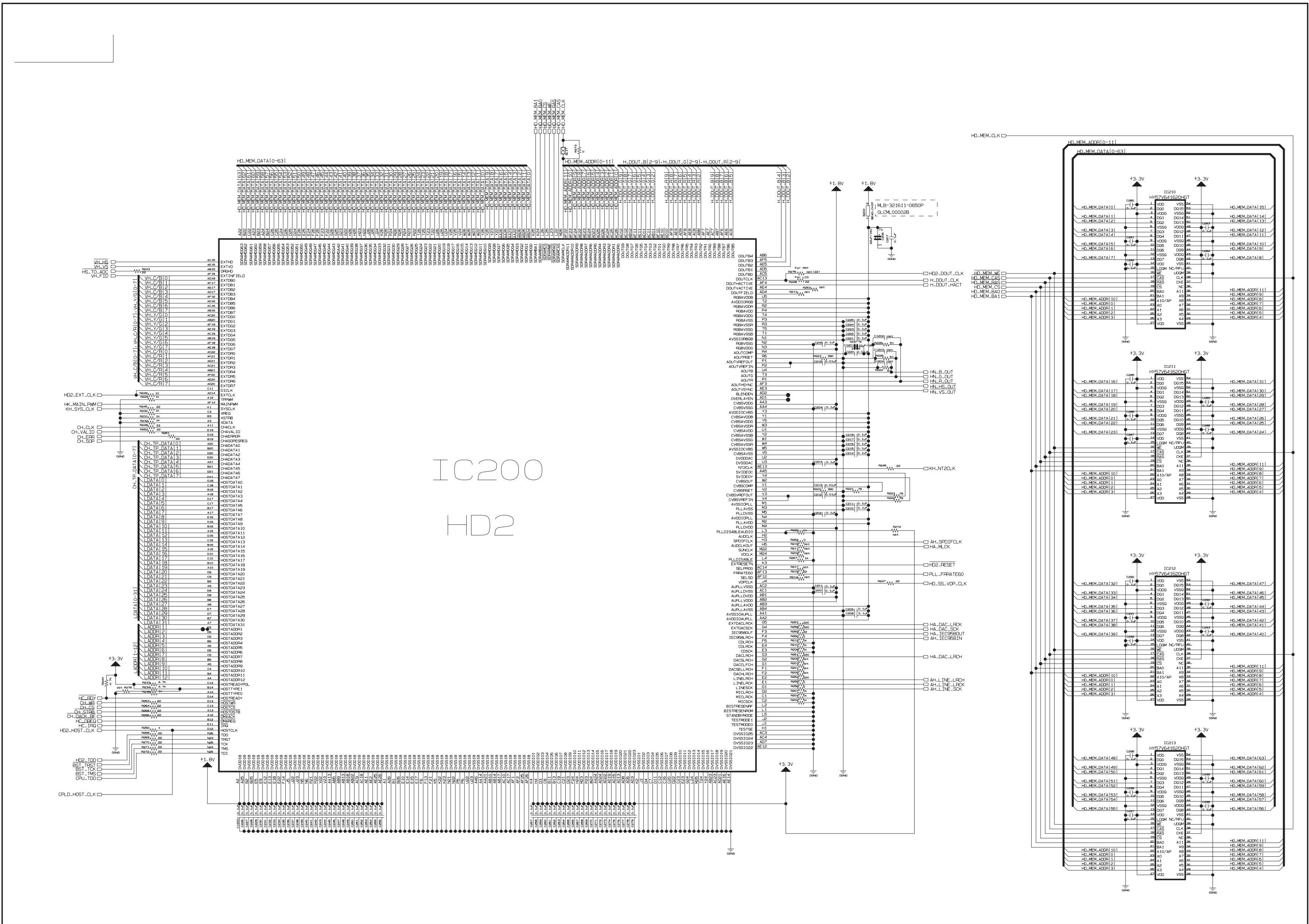
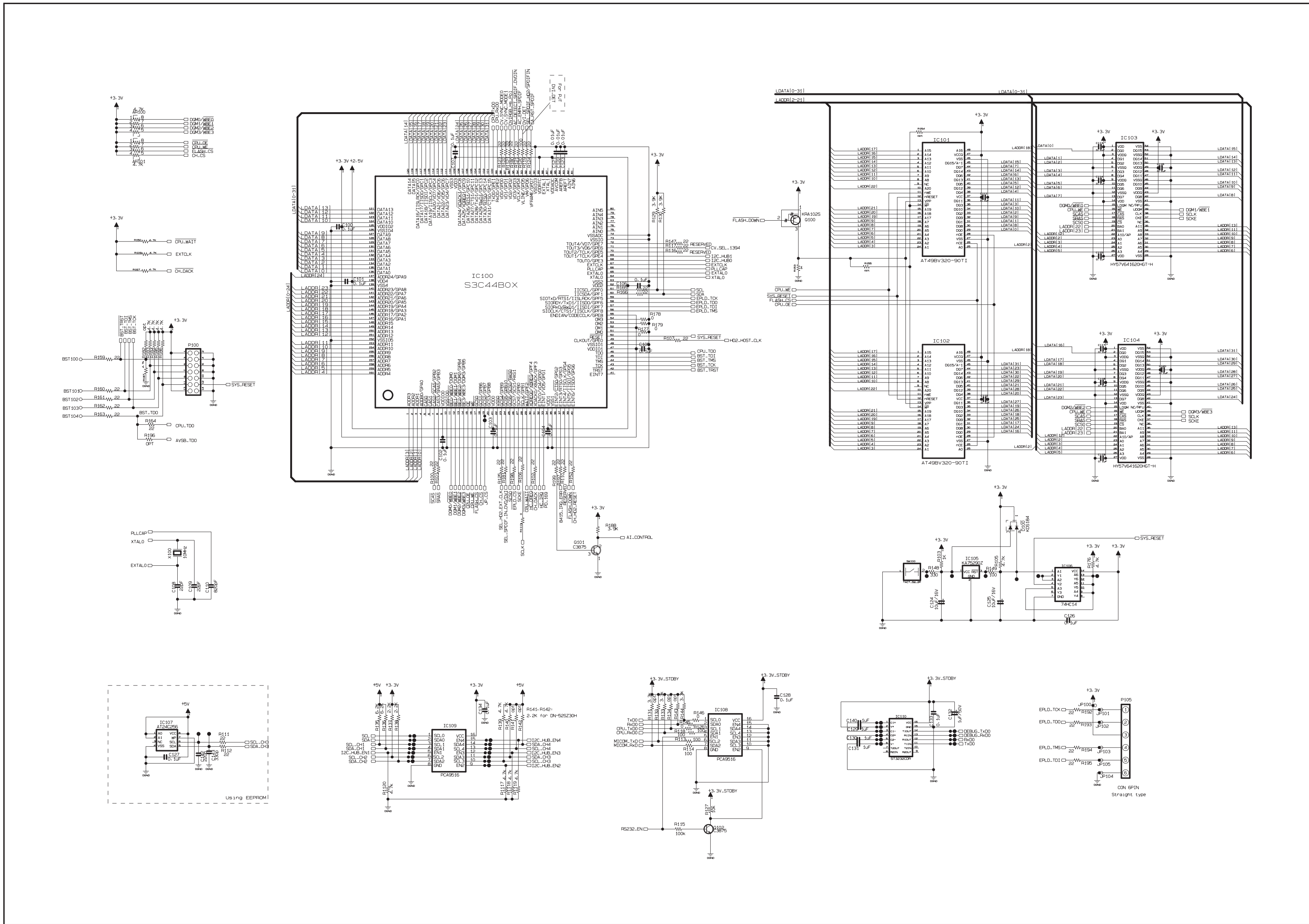
DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R124	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R130	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R131	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R132	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R133	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R134	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R136	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R137	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R142	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R144	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R146	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R148	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R149	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R150	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R151	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R152	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R153	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R154	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R155	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R156	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R157	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R158	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R159	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R160	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R1600	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1603	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R161	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R163	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R167P	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R171P	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R179	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R180	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1809	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R181	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1813	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1815	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R1823	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1824	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1825	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R1826	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R183	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R1836	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R1837	0RH8200D622	820 OHM 1 / 10 W 2012 5.00%
		R1838	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1839	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R184	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1842	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R1844	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R185	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1854	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1856	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R1857	0RH8200D622	820 OHM 1 / 10 W 2012 5.00%
		R1858	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R1859	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R186	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R1860	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1869	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R187	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1870	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R1871	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R188	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1880	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00

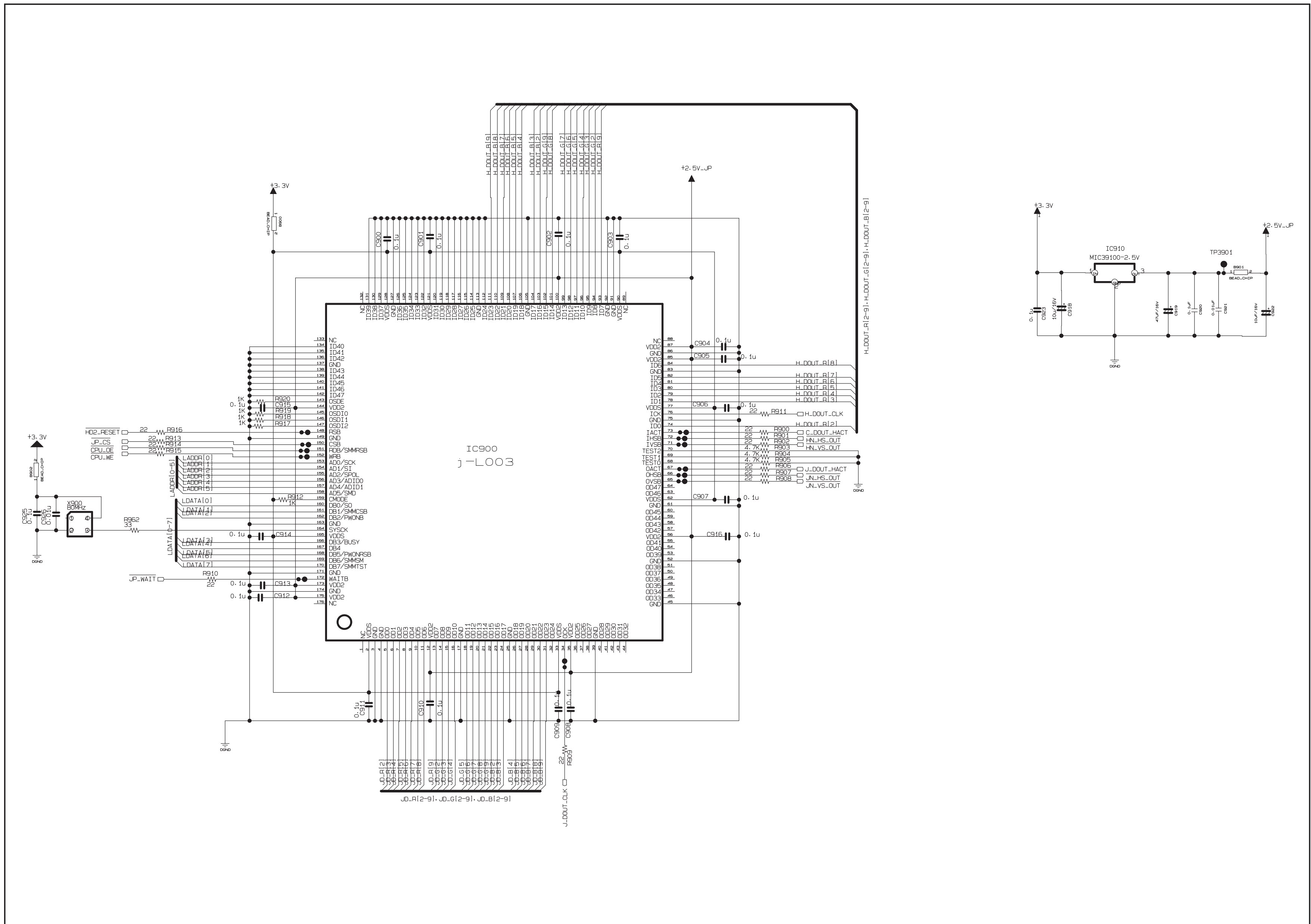
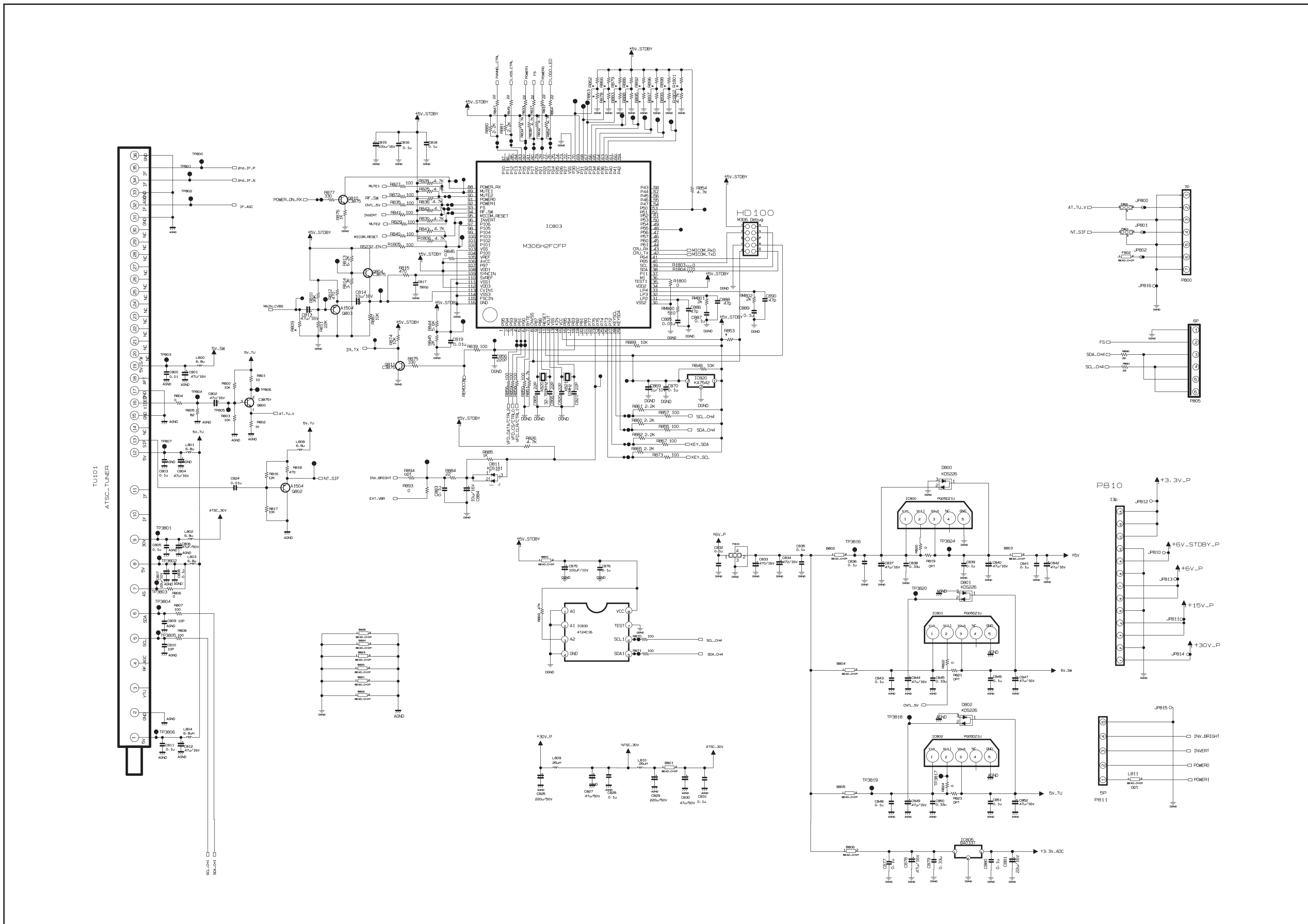
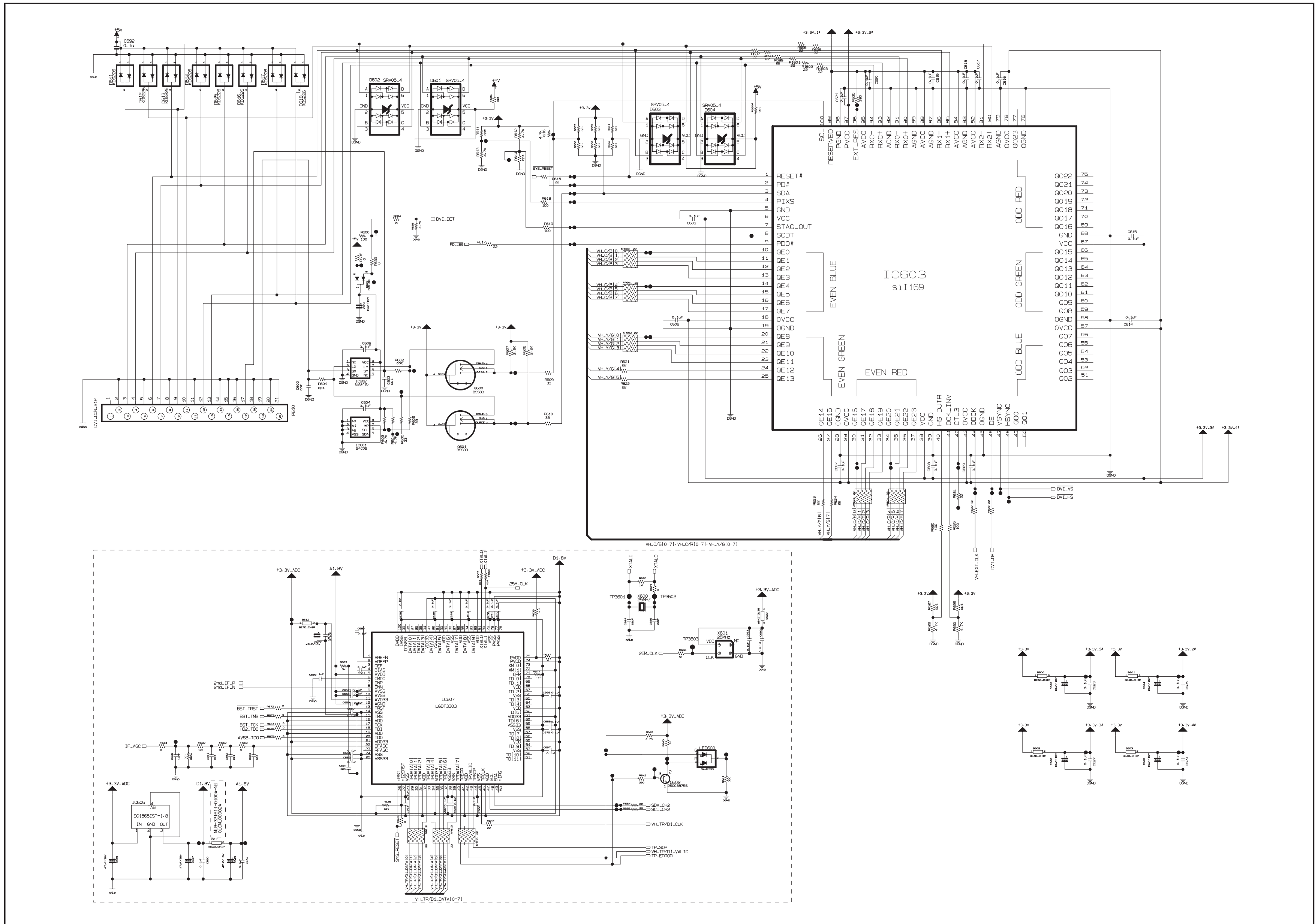
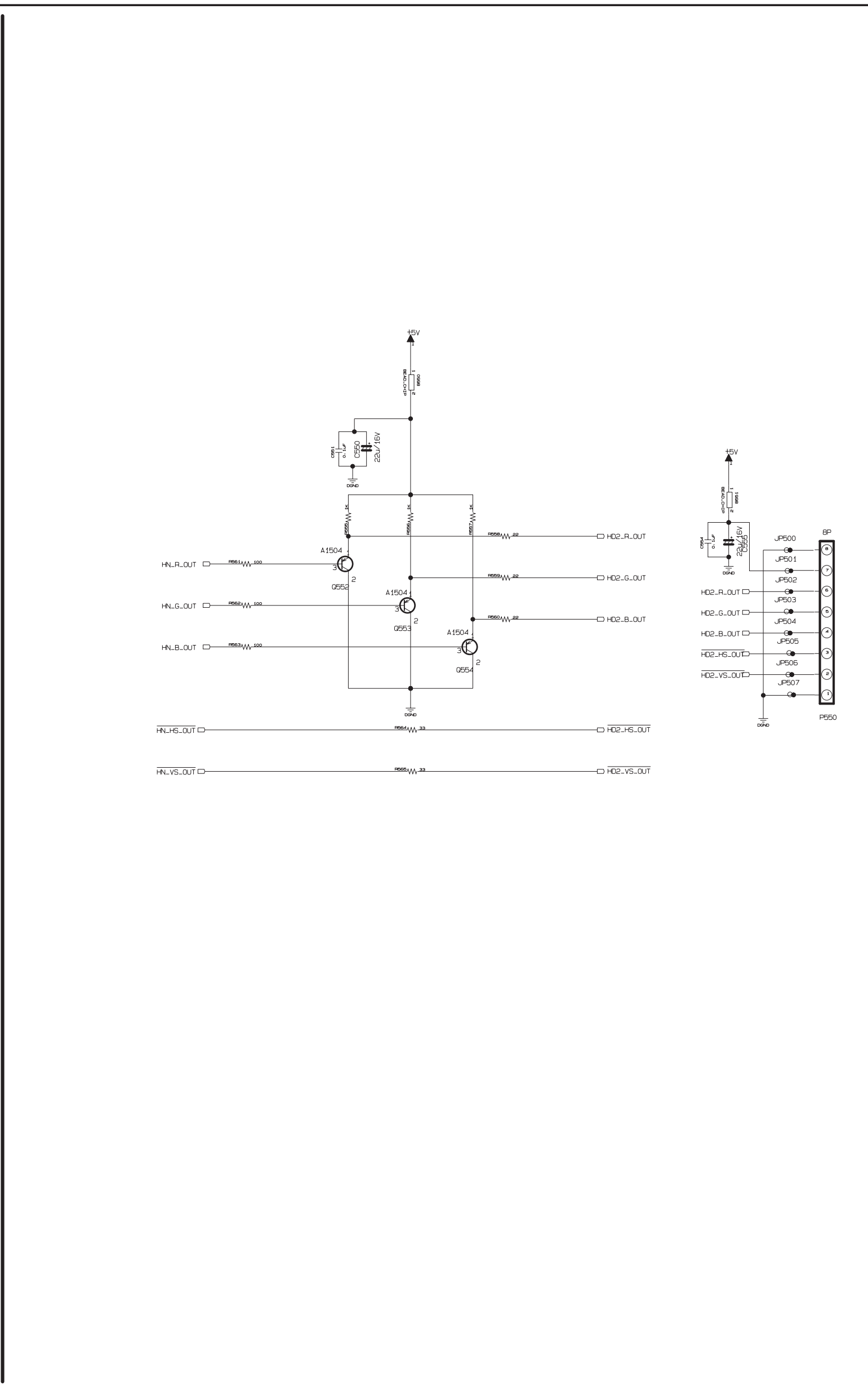
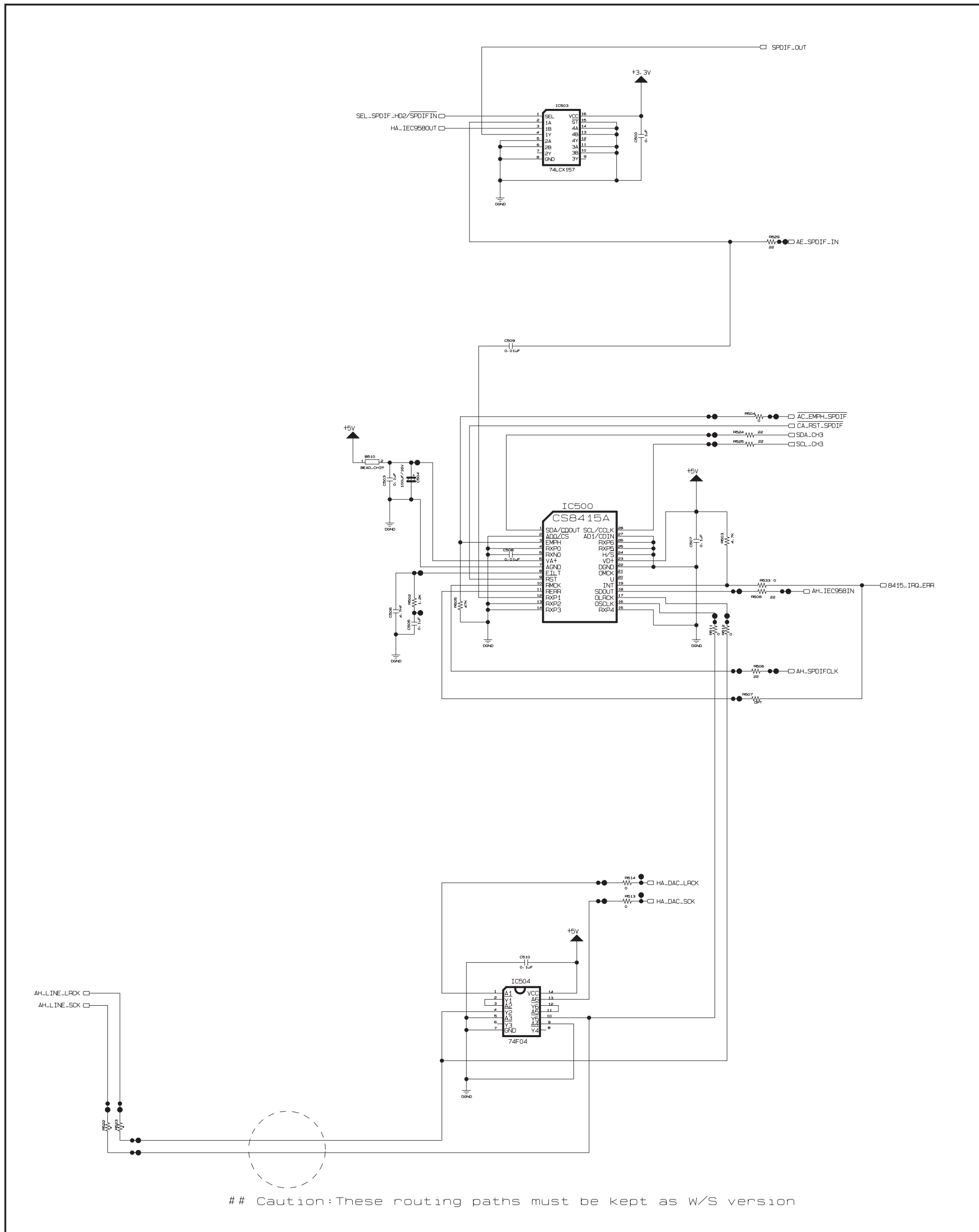
DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R189	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R190	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R191	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R192	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R1922	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1923	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1924	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R193	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R194	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R195	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R196	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R197	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R198	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R199	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R300	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R301	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R302	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R303	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R602	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R648	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R649	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R650	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R651	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R652	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R653	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R654	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R656	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R657	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R658	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R659	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R662	0RH0471D622	4.7 OHM 1 / 10 W 2012 5.00%
		R665	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R666	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R667	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R668	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R671	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R672	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R676	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R677	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R681	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R682	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R683	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R684	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R685	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R686	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R690	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R697	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R698	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R802	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R806	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R812	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R813	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R814	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R815	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R816	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R817	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R818	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%
		R819	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R820	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R821	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R822	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R823	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%

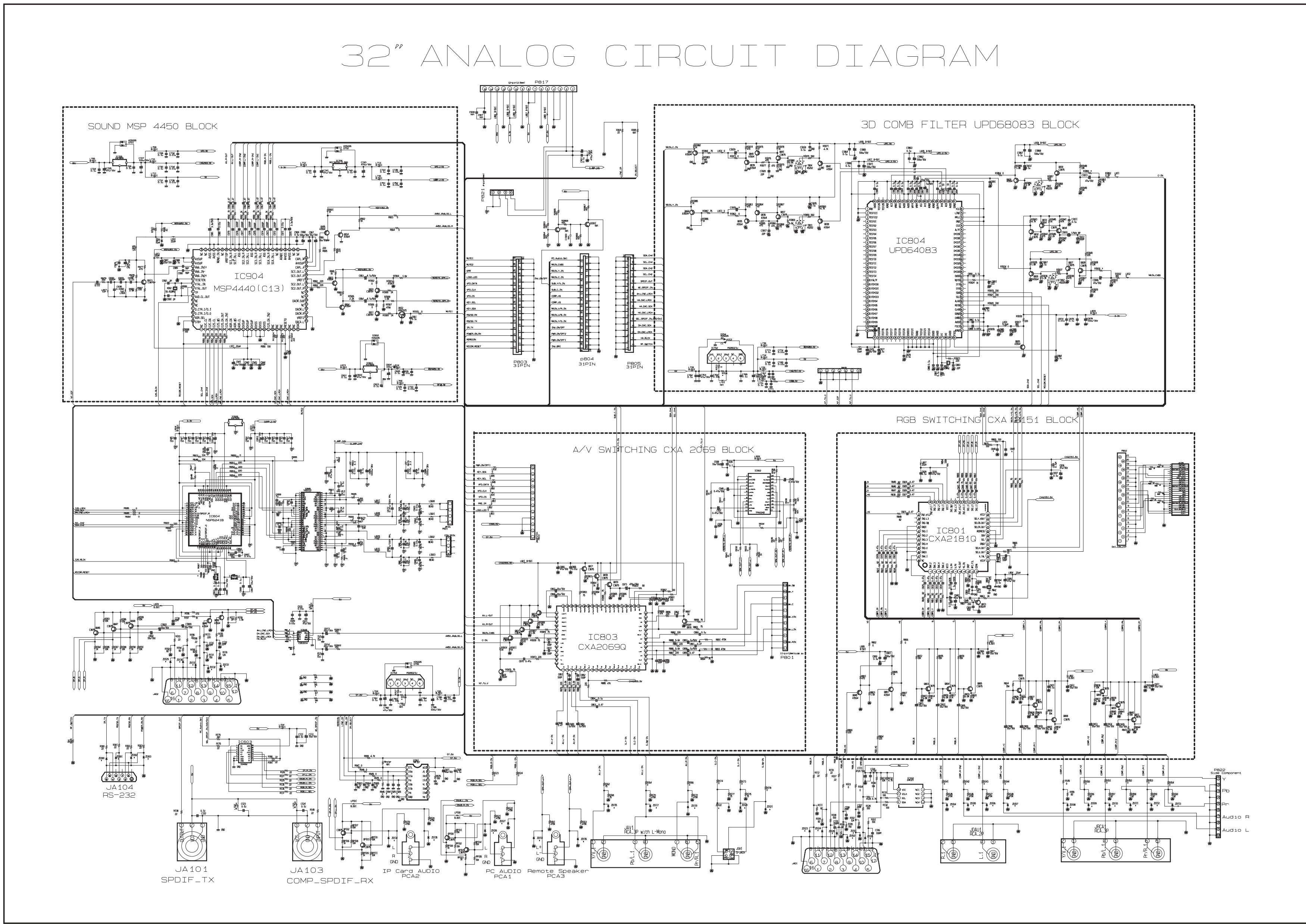
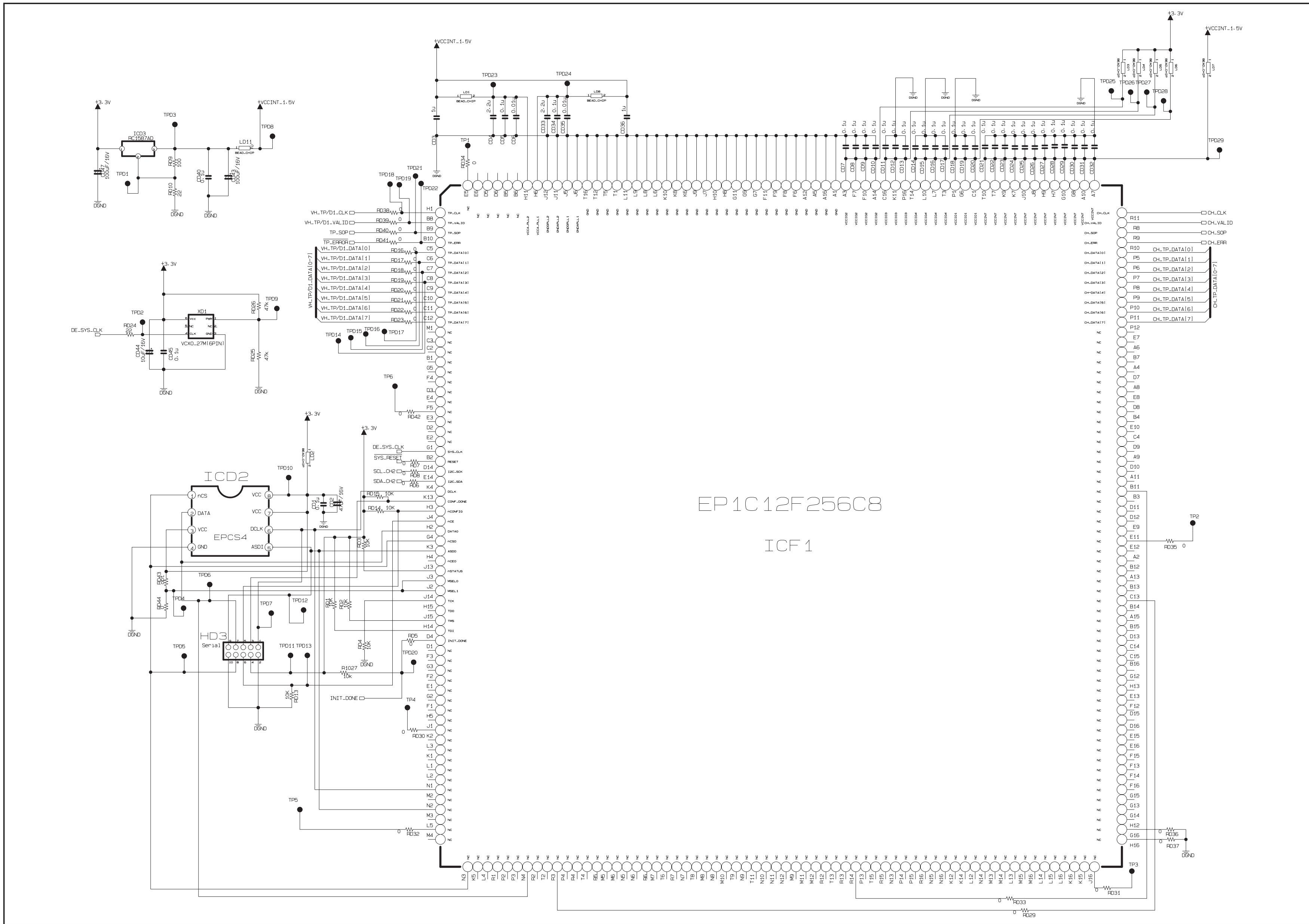
DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R835	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R845	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R846	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R847	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R848	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R849	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R850	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R851	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R855	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R856	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R857	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R858	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R860	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R861	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R863	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R864	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R876	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R877	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R878	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R879	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R880	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R882	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R886	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R888	0RH5601D622	5.6K OHM 1 / 10 W 2012 5.00
		R898	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R900	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R907	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R908	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R909	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R911	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R930	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R931	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R932	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R933	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R934	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R935	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R936	0RH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		R937	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R938	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R941	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R942	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R947	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R948	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R949	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R950	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R951	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R952	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R953	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R954	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R955	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R975	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R987	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R988	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R989	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R990	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R991	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R992	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R993	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R994	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		RP100	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		RP101	0RH2202D622	22K OHM 1 / 10 W 2012 5.00%
		RP102	0RH1502D622	15K OHM 1 / 10 W 2012 5.00%

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		RP103	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		T801	6200J00011B	H354LAI-K5225 TOKO R/TP BAN
		T802	6200J00011B	H354LAI-K5225 TOKO R/TP BAN
		T803	6200J00011A	H354LAI-K5202 TOKO R/TP BAN
		T804	6200J00011A	H354LAI-K5202 TOKO R/TP BAN
		X801	6212AB2015A	HC-49/SM4H BUBANG 4MHZ +/-
		X803	6212AB2015B	HC-49/SM5H BUBANG 20MHZ +/-
		X902	6202VDT002H	SX-1 SUNNY 18.432000MHZ +/-
		ZD105	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD107	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD110	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD111	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD112	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD113	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD114	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD116	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD129	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD130	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD131	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD903	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD904	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD905	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
SIDE A/V BOARD				
		C2101	0CH6331K416	330PF 2012 50V 5% NP0 R/TP
		C2102	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C2104	0CH6331K416	330PF 2012 50V 5% NP0 R/TP
		C2107	0CH6331K416	330PF 2012 50V 5% NP0 R/TP
		L2101	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L2102	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L2103	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L2104	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L2105	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2103	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R2104	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R2105	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R2106	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R2107	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R2109	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R2116	0RH0472D622	47 OHM 1 / 10 W 2012 5.00%
		R2117	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R2118	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R2123	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2124	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2125	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2126	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2127	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2128	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2129	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2154	0RH0472D622	47 OHM 1 / 10 W 2012 5.00%
		R2155	0RH0472D622	47 OHM 1 / 10 W 2012 5.00%
		R2156	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		ZD2101	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD2102	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD2103	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD2110	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
IR&LIGHT BOARD				
		C3104	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		IC1	0IM623200B	"M62320FP,I/O EXPANDER 16P S"
		L1201	6210TCE001A	HB-1S2012-080JT CERATEC 201

DATE: 2005. 07. 10.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L3102	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		Q3101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3106	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3107	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R3102	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3103	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3104	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3105	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3106	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3107	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3108	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3109	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3110	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3111	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3112	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3113	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3114	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3115	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3116	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3117	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3118	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3119	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3120	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R3121	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3123	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3124	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3125	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3126	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3127	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3128	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3129	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3130	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3131	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R3132	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R3133	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R3134	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R3135	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R3136	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R3137	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3138	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3139	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R3140	0RH6202D622	62K OHM 1 / 10 W 2012 5.00%
		R3141	0RH6202D622	62K OHM 1 / 10 W 2012 5.00%
		R3145	0RH5600D622	560 OHM 1 / 10 W 2012 5.00%
		R3146	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R3147	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R3148	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R3149	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R3150	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R3151	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3152	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R3153	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		LED3232	0DL200000CA	SAM5670(DL-2LRG) BK Y-GREEN
		RPE3101	6726TV0001A	TSOP4838SO1 VISHAY 38.0KHZ
		C3101	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S
		C3102	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3103	0CK103CK51A	0.01UF 1608 50V 10% R/TP B
		C3106	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) S









P/NO : 38289S0004N

Jul, 2005
Printed in Korea